

SUPPLEMENT TO STANDARD  
OPERATION AND MAINTENANCE  
MANUAL

SACRAMENTO RIVER  
FLOOD CONTROL PROJECT

UNIT No.128  
EAST LEVEE OF SACRAMENTO RIVER  
FROM SUTTER BYPASS TO TISDALE WEIR  
ALL WITHIN RECLAMATION DISTRICT No.1500  
(MILE 84.5 TO 118.5)



U. S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
SACRAMENTO, CALIFORNIA

CORPS OF ENGINEERS  
U. S. ARMY

SUPPLEMENT TO STANDARD  
OPERATION AND MAINTENANCE MANUAL  
SACRAMENTO RIVER FLOOD CONTROL PROJECT

UNIT NO. 128  
EAST LEVEE OF SACRAMENTO RIVER  
FROM SUTTER BYPASS TO TISDALE WEIR  
ALL WITHIN RECLAMATION DISTRICT NO. 1500  
(Mile 84.5 to 118.5)

SACRAMENTO DISTRICT  
CORPS OF ENGINEERS  
U. S. ARMY  
March 1960

**SUPPLEMENT TO STANDARD  
OPERATION AND MAINTENANCE MANUAL  
SACRAMENTO RIVER FLOOD CONTROL PROJECT**

UNIT NO. 128

EAST LEVEE OF SACRAMENTO RIVER  
FROM SUTTER BYPASS TO TISDALE WIER  
(MILE 84.5 TO 118.5)

<b>LOCATION</b>	<b>ADDITION OR REVISION</b>	<b>DATE</b>
1-04 n.	Add contract no. 61-66	Nov 1963
Exhibit B	Add drawing no. 50-4-3662	Nov 1963
Paragraph 1-04 o.	Add contract No. 60-29	Oct 1964
Exhibit B	Add Drawing No. 50-4-3613	Oct 1964
Exhibit F	Add copy of letter of acceptance dated 7 Oct 1960	Oct 1964
Paragraph 1-04 p.	Add Contract no. 64-71	Jun 1965
Exhibit B	Add Drawing No. 50-4-3742	Jun 1965
Exhibit F	Add letter of acceptance dated 9 Nov 1964 (letter says 1965)	Jun 1965
Paragraph 1-04 q.	Add Contract No. 65-15	Jul 1966
Exhibit B	Add Drawing No. 50-4-3754	Jul 1966
Exhibit F	Add copy of letter of transfer dated 26 Oct 1965	Jul 1966
Paragraph 1-04 r.	Add Contract No. 66-50	Dec 1966
Exhibit B	Add Drawing No. 50-4-4004	Dec 1966
Exhibit F	Add letter of transfer dated 23 Nov 1966	Dec 1966
Paragraph 1-04 s.	Add Contract No. C-68-0014	Apr 1968
Exhibit B	Add Drawing no. 50-4-4078	Apr 1968
Exhibit F	Add copy of letter of acceptance dated 23 Jan 1968	Apr 1968
Paragraph 1-04 t.	Add Contract No. DACW05-68-C-0014	Dec 1968
Exhibit B	Add Drawing No. 50-4-4078	Dec 1968
Exhibit F	Add copy of letter of acceptance dated 23 Dec 1968	Dec 1968
Paragraph 1-04 u.	Add Contract no. DACW05-70-C-0008	Mar 1971
Exhibit B	Add Drawing No. 50-4-4310	Mar 1971
Exhibit F	Add copy of letters of acceptance dated 27 Jan 1970, 2 Oct 1970 and 26 Jan 1971	Mar 1971
Paragraph 1-04	Add subparagraph v	Mar 1972
Exhibit B	Add drawing no. 50-4-4339	Mar 1972
Exhibit F	Add copy of letters of acceptance dated 17 Dec 1970 and 31 Dec 1971	Mar 1972
Paragraph 1-04	Add subparagraph w	Feb 1973
Exhibit B	Add Drawing No. 50-4-4381	Feb 1973
Exhibit F	Add copy of letters of acceptance dated 17 Jan 1972 and 16 Oct 1972	Feb 1973

LOCATION	ADDITION OR REVISION	DATE
Paragraph 1-04	Add subparagraph x	Jun 1975
2-01	Add subparagraph c	Jun 1975
Exhibit B	Add Drawing No. 50-4-4586	Jun 1975
Exhibit F	Add copy of letter of acceptance dated 1 Oct 1973	Jun 1975
Paragraph 1-04	Add subparagraph y	Nov 1975
Exhibit B	Add Drawing No. 50-4-4713	Nov 1975
Exhibit F	Add copy of letter of acceptance dated 12 Nov 1973	Nov 1975
Paragraph 1-04	Add subparagraph z	Jan 1976
Paragraph 2-04 a.	Add subparagraph (4)	Jan 1976
Exhibit B	Add Drawing No. 50-4-4777	Jan 1976
Exhibit F	Add copy of letters of acceptance dated 9 Jul 1974 and 18 Nov 1974	Jan 1976
Paragraph 1-04	Add subparagraph aa	Feb 1979
Paragraph 2-01	Delete subparagraph c (Jun 1975)	Feb 1979
Paragraph 2-05	Add Environment Protection	Feb 1979
Exhibit B	Add Drawing No. 50-4-5011	Feb 1979
Exhibit F	Add copy of letter of acceptance dated 25 Aug 1977	Feb 1979
Paragraph 1-04	Add subparagraph bb	Sep 1981
Exhibit B	Add Drawing No. 50-4-5130	Sep 1981
Exhibit F	Add copy of letter of acceptance dated 6 Sep 1979	Sep 1981
Paragraph 1-04	Add subparagraph cc	Nov 1983
Paragraph 2-05 b.	Add Site Mile 85.1	Nov 1983
Exhibit B	Add Drawing No. 50-4-5433	Nov 1983
Exhibit F	Add copy of letter of transfer date 19 Nov 1979	Nov 1983
1-04	Add subparagraph dd	Mar 1986
Exhibit B	Add drawing no. 50-4-5712	Mar 1986
Exhibit F	Add copy of letter of acceptance dated 3 Mar 1986	Mar 1986
Exhibit F	Add copy of letter of transfer dated 15 Dec 1944	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 17 Jan 1945	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 23 Jun 1947	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 2 Jul 1947	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 23 Mar 1948	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 7 Apr 1948	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 11 Feb 1949	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 16 Feb 1949	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 22 Jul 1949	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 9 Dec 1949	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 8 Dec 1951	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 13 Dec 1951	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 18 Dec 1951	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 7 Feb 1955	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 15 Dec 1958	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 16 Sep 1959	22 Dec 2010



<b>LOCATION</b>	<b>ADDITION OR REVISION</b>	<b>DATE</b>
Exhibit F	Add copy of letter of transfer dated 26 Sep 1960	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 9 Nov 1960	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 23 Dec 1960	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 11 Jul 1961	22 Dec 2010
Exhibit F	Add copy of letter of acceptance dated 21 Jul 1961	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 16 Jan 1987	22 Dec 2010
Exhibit F	Add copy of letter of transfer dated 21 Oct 1964	2 Feb 2011
Exhibit F	Add copy of letter of acceptance dated 9 Dec 1966	2 Feb 2011
Exhibit F	Add copy of letter of acceptance dated 20 Feb 1967	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 10 Jan 1968	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 5 Nov 1968	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 8 Jan 1970	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 28 Sep 1970	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 16 Nov 1970	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 18 Jan 1971	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 30 Nov 1971	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 27 Dec 1971	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 21 Sep 1972	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 25 Sep 1973	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 18 Oct 1973	2 Feb 2011
Exhibit F	Add copy of letter of transfer dated 20 Jun 1974	8 Mar 2011
Exhibit F	Add copy of letter of transfer dated 30 Oct 1974	8 Mar 2011
Exhibit F	Add copy of letter of transfer dated 11 Aug 1977	8 Mar 2011
Exhibit F	Add copy of letter of transfer dated 27 Jul 1979	8 Mar 2011
Exhibit F	Add copy of letter of acceptance dated 4 Dec 1979	8 Mar 2011
1-04	Add subparagraph ee	8 Mar 2011
1-04	Add subparagraph ff	8 Mar 2011
Exhibit F	Add copy of letter of transfer dated 30 Nov 1987	8 Mar 2011
Exhibit B	Add drawing no. 50-4-5714	13 Sep 2011
1-04	Add subparagraph gg	Jan 2012
Exhibit B	Add drawing no. 50-04-6011	Jan 2012
Exhibit F	Add copy of letter of transfer dated 15 February 2012	Jan 2012
Exhibit H	Add Project Cooperation Agreement as new Exhibit H	Jan 2012
2-01	Add subparagraphs i-iv to 2-01.b.(1)	Jan 2012
1-04	Revise subparagraph gg to include new work	Aug 2012
2-01	Add subparagraph 2-01 c	Aug 2012
Exhibit F	Add copy of letter of transfer dated 09 Oct 2012	Oct 2012
Exhibit F	Add copy of letter of transfer dated 29 Nov 2016	29 Dec 2016

TABLE OF CONTENTS

SECTION I - INTRODUCTION

<u>Paragraph</u>	<u>Subject</u>	<u>Page</u>
1-01	Location	1
1-02	Project Works	1
1-03	Protection Provided	1
1-04	Construction Data and Contractor	2
1-05	Flood Flows	4
1-06	Assurance Provided by Local Interests	4
1-07	Transfer to or Acceptance by State Reclamation Board	4
1-08	Superintendent	4

SECTION II - FEATURES OF THE PROJECT

SUBJECT TO FLOOD CONTROL REGULATIONS

2-01	Levees	5
2-02	Drainage and Irrigation Structures	5
2-03	Channel	7
2-04	Miscellaneous Facilities	8
2-05	Environment Protection	9a      *

SECTION III - REPAIR OF DAMAGE TO PROJECT WORKS

AND METHODS OF COMBATING FLOOD CONDITIONS

3-01	Repair of Damage	10
3-02	Applicable Methods of Combating Floods	10

## EXHIBITS

Exhibit	Description	
A	Flood Control Regulations (Contained in Standard Manual)	Unattached
A-1	Location Map	1 Sheet
B	“As Constructed” Drawings	Unattached
C	Plates of Suggested Flood Fighting Methods (Contained in Standard Manual)	Unattached
D	Check List No. 1 – Levee Inspection Report (Contained in Standard Manual)	Unattached
E	Check Lists – Levees, Channel and Structures	Sheets 1 – 10
F	Transfer to or Acceptance by the State	Sheets 1 – 15
G	Suggested Semi-Annual Report Form	Sheets 1 & 2
H	Project Cooperation Agreement	Attached

SUPPLEMENT TO STANDARD  
OPERATION AND MAINTENANCE MANUAL  
SACRAMENTO RIVER FLOOD CONTROL PROJECT

UNIT NO. 128  
EAST LEVEE OF SACRAMENTO RIVER  
FROM SUTTER BYPASS TO TISDALE WEIR  
ALL WITHIN RECLAMATION DISTRICT NO. 1500

INTRODUCTION

1-01. Location. The improvement covered by this manual is that part of the Sacramento River Flood Control Project which includes the east levee of the Sacramento River from Sutter Bypass to Tisdale Weir. The location by river mileage is from about mile 84.5 to mile 118.5. The levee and channel of this unit lies within Reclamation District No. 1500 in Sutter County, California and between the towns of Knights Landing and Meridian. The location of the completed unit covered by this manual is shown on Exhibit A-1.

1-02. Project Works. The project work covered by this manual is a part of the Sacramento River Flood Control Project authorized by the Flood Control Act of 1917, as modified by the Acts of 1928, 1937, and 1941, consists of the easterly levee (left bank) and channel of the Sacramento River from the junction of the Sutter Bypass levee upstream about 33.58 levee miles to the Tisdale Weir. The original levee built by local interests has been repaired, enlarged or setback by the Corps of Engineers to adopted grade and section. At numerous locations stone has been placed on the waterside slopes to prevent bank erosion. For more details of construction of the levee within this unit, reference is made to the "As Constructed" drawings of Exhibit B.

1-03. Protection Provided. The levee of this unit provides direct protection to about 64,000 acres of agriculture lands that lie easterly from the levee. The grade of the adopted flood plane in the Sacramento River at the lower end adjoining the Sutter Bypass levee varies from elevation 40.8 to elevation 53.0 at the Tisdale Weir on the upper end (elevations are referred to U. S. Corps of Engineers datum). The levee project grade along the Sacramento River provides a freeboard which equals or exceeds three feet and the project design flood capacity is 30,000 cubic feet per second within this unit.

1-04. Construction Data and Contractor. Construction contracts and job orders required to repair and bring locally built levees within this unit to project standards were as follows:

a.	<u>Job Order No.</u>	<u>Location</u>	<u>Date of Completion</u>
	121	El Dorado Bend Mi. 98.19(1)	December 1936
	127	Race Track Bend Mi. 106.6(L)	February 1937
	185	Boyers Bend Mi. 111.1(L)	June 1938
	188	Rough & Ready Mi. 100.5(L)	January 1937
	189	Rough & Ready Mi. 99.7(L)	January 1937
	195	Little Polar Bend Mi. 103.2(1)	February 1937
	405	El Dorado Bend Mi. 98.9(L)	October 1938
	433	Mi. 98.5(L) to Mi. 111.1(L)	January 1939
	540	Collins Eddy Cut-Off Mi. 102.5(L)	August 1940
	667	Burrells Ranch Mi. 91.7(L)	May 1941
	729	Burrells Ranch Mi. 91.7(L)	October 1941
	871	Hyatts Ranch Mi. 104.0(L)	October 1942
	882	Matiola Pump Mi. 98.0(L)	September 1942

b. Levee repairs at Missouri Bend Mile 96.4 to 97.5(L) and Hyatts Ranch Mile 103.7 to 104.2(L) were accomplished under Contract No. W-04-167-eng-602 by H. Earl Parker, Inc., and completed on 24 December 1944.

c. Levee setback at miles 84.6(L), 85.5 to 87.6(L) and 118.2(L) was accomplished under Contract No. W-04-167-eng-1032 by H. Earl Parker, Inc., and completed on 7 January 1946.

d. Levee repairs at miles 92.6 to 94.5(L), 99.3 to 101.2(L) and 110.8 to 111.5(L) were accomplished under Contract No. W-04-167-eng-1210 by H. Earl Parker, Inc., and completed on 3 June 1947.

e. Levee repairs at Mile 101.2 to 102.3(L) were accomplished under Contract No. W-04-167-eng-1345 by H. Earl Parker, Inc., during the period from 5 November 1947 to 6 March 1948.

f. Levee repairs at El Dorado Bend Mile 98.6(L) and Ministerial Bend Mile 104.2 to 104.7(L) were accomplished under Contract No. W-04-167-eng-1538 by H. Earl Parker, Inc., during the period from 14 October 1948 to 3 August 1949.

g. Levee repairs at Mile 102.5(L) and 133.8(L) were accomplished under Contract No. DA-04-167-eng-272 by H. Earl Parker, Inc., during the period from 5 June 1950 to 17 November 1951.

h. Levee construction from Mile 94.0(L) to Mile 117.0(L) was accomplished under Contract No. DA-04-167-eng-485 by H. Earl Parker, Inc., during the period from 14 May 1951 to 15 December 1951.

i. Bank protection at 7 sites between Colusa and Knights Landing was accomplished under Contract No. DA-04-167-eng-1123 by H. Earl Parker, Inc., during the period from 7 June 1954 to 23 December 1954.

j. Emergency levee repairs at Mile 103.6(L) and 111.6(L) was accomplished under Contract No. DA-04-167-CIVENG-57-8 by Lee Stephens, during the period from 20 July 1956 to 6 August 1956.

k. Bank protection at Mile 92.7(L) and 99.9(L) was accomplished under Contract No. DA-04-167-eng-1180 by H. Earl Parker, Inc., during the period from 28 July 1954 to 25 June 1955.

l. Normal bank protection at Mile 103.8(L) to 129.5(L) was accomplished under Contract No. DA-04-167-eng-1186 by H. Earl Parker, Inc., during the period from 19 July 1954 to 10 June 1955.

m. Stone protection in R.D. 1500 was accomplished under Contract No. DA-04-167-CIVENG-58-17 by H. Earl Parker, Inc., during the period from 10 September 1957 to 21 July 1959.

n. Repair of bank protection, left bank Sacramento River at Race Track Bend, Mile 106.15 to 106.95 was accomplished under Contract No. DA-04-167-CIVENG-61-66 by the Basalt Rock Company, Inc. during the period from 27 April 1961 to 7 July 1961, Specification No. 2709, Drawing No. 50-04-3662.

o. Bank protection and levee construction at critical locations along the Sacramento River was accomplished under contract No. DA-04-167-CIVENG-60-29 by the Basalt Rock Company, Inc. during the period from 4 May 1960 to 19 August 1960, Specification No. 2600, Drawing No. 50-4-3613.

p. Bank Protection, right and left banks at various sites from Boyer's Bend to Monument Bend was accomplished under Contract No. DA-04-167-CIVENG-64-71 by H. Earl Parker, Inc. during the period from 23 April 1964 to 20 October 1964, Specification No. 2958, Drawing No. 50-4-3742.

q. Bank protection, right and left banks Sacramento River at various locations between Colusa and Boyers Bend was accomplished under Contract No. DA-04-167-CIVENG-65-15 by Elmer G. Wendt, Inc. during the period from 22 September 1964 to 5 November 1965, Specification No. 3024, Drawing No. 50-4-3754.

r. Bank protection, left bank of Sacramento River at various locations between Knights Landing and Colusa (Unit No. 8) was accomplished under Contract No. DA-04-167-

CIVENG-66-50 by H. Earl Parker, Inc. during the period from 18 October 1965 to 18 November 1966. Specification No. 3154, Drawing no. 50-4-4004.

s. Bank protection (Unit No. 12) Site Mile 91.6 on the left bank of the Sacramento River was accomplished under Contract No. C-68-0014 by A. Teichert and Son, Inc., during the period from 28 August 1967 to January 1968. Specification No. 3288, Drawing No. 50-4-4078.

t. Bank protection on the left bank of the Sacramento River at Mile 88.7 (Unit No. 12) was accomplished under Contract No. DACW05-68-C-0014 by A. Teichert and Son, Inc. and completed in November 1968. Specification No. 3288, Drawing No. 50-4-4078.

u. Bank protection on the left bank of the Sacramento River at Site Miles 89.6, 93.8, 95.4, 95.6, 98.4, 103.5, 111.8 and 115.5 (Unit No. 16) was accomplished under Contract No. DACW05-70-C-0008 by H. Earl Parker during the period from 25 July 1969 to 14 January 1971. Specification No. 3390, Drawing No. 50-4-4310.

v. Bank protection on the left bank of the Sacramento River at Site Miles 114.3, 116.4, 117.3, and 117.7 (Unit No. 17) was accomplished under Contract No. DACW05-70-C-0049 by A. A. Teichert and Sons during the period from 15 December 1969 to 20 January 1972. Specification No. 3406, Drawing No. 50-4-4339.

w. Bank protection on the left bank of the Sacramento River at Site Miles 93.2, 94.7, 97.6, 102.2, 102.7, and 111.3 (Unit No. 20) was accomplished under Contract No. DACW05-71-C-0051 by Claude C. Wood during the period from 1 October 1970 to 30 October 1972. Specification No. 3459, Drawing No. 50-4-4381.

x. Bank protection and selective clearing on the left bank of the Sacramento River at Site Miles 110.6 and 110.9 (Unit No. 22) was accomplished under Contract No. DACW05-72-C-0057 by A. A. Teichert and Sons during the period from 20 March 1972 to 9 November 1973 Specification No. 3924, Drawing No. 50-4-4586.

y. Bank protection and selective clearing on the left bank of the Sacramento River at Site Miles 35.5, 86.6, 100.7, 103.0 and 105.0 (Unit No. 24) was accomplished under Contract No. DACW05-73-C-0038 by Claude C. Wood during the period from 11 October 1972 to 6 January 1975. Specification No. 4169, Drawing No. 50-4-4713.

z. Bank sloping, stone protection, and selective clearing on Sacramento River Site Miles 89.0, 89.8, 93.7, 114.4, and 118.4 Left Bank, and two recreational sites at Mile 93.7 which included vehicle access ramps, parking areas, boat launching ramp, and pedestrian ramps, was accomplished under the Sacramento River Bank Protection Project Unit 26, Contract No. DACW05-73-C-0059 by Luhr Brothers Inc. during the period from 7 December 1972 to 15 November 1974. Specification No. 4251, Drawing No. 50-4-4777.

aa. Bank sloping, stone protection, and selective clearing on the left bank of the Sacramento River Site Mile 114.8 (of Unit 29), was accomplished under Contract No.

DACW05-76-C-0084 by Claude C. Wood Company during the period from 28 June 1976 to 9 August 1977. Specification No. 4833, Drawing No. 50-4-5011.

bb. Bank sloping, stone protection and selective clearing on the left bank of the Sacramento River at Site Miles 84.5, 88.2, 92.6, 95.6, 99.5 and 102.1 (of Unit 30) was accomplished under Contract No. DACW05-76-C-0107 by James Ferry & Son. Construction was completed on 6 July 1979. Specification No. 5081, Drawing No. 50-4-5130.

cc. Bank sloping, stone protection and selective clearing on the left bank of the Sacramento River at Site Miles 85.1, 95.2, 99.9 and 100.9 (a portion of Unit 34) was accomplished under contract No. DACW05-78-C-0046 by Claude C. Wood. Construction was completed on 7 November 1979. Specification No. 5403, Drawing No. 50-4-5433.

dd. Bank sloping, stone protection and selective clearing on the left bank of the Sacramento River at Site Mile 94.0 and 96.6 (a portion of Unit 38A) was accomplished under Contract No. DACW05-84-0112 by Aloha Dredging Co. Construction was completed on 6 October 1985. Specification No. 7053, Drawing No. 50-4-5712.

ee. Emergency repairs to project levees consisting of restoring portions of the left bank of the Sacramento River and the right bank of Sutter Bypass in R.D. 1500 was completed on 3 December 1986 under Contract No. DACW05-86-C-0108. Drawing No. FE-3-4-2.

ff. Bank sloping and stone protection on the left bank of the Sacramento River, Site Miles 101.5 and 105.5 was completed on 15 November 1987 under Contract No. DACW05-86-C-0079. Specification No. 7082, Drawing No. 50-4-5714.

gg. At Levee Mile (LM) 24, the levee slope was regraded to uniform slope and the irrigation ditch was backfilled.\* A new irrigation ditch was constructed at least 35 feet from the levee toe. At LMs 0, 19, and 31.5, seepage/stability berms with encapsulated horizontal drainage blankets were constructed.\* This work was accomplished under Contract 1B, Contract No. DACW05-97-C-0109 by Contractor C. R. Jeffries Construction. The Contract was awarded on 24 June 1997 and construction was completed on 15 November 1998. The Drawing File No. is 50-04-6011 and the Specification No. is 9803.

1-05. Flood Flows. For purposes of this manual, the term “flood” or “high water period” shall refer to flows when the water surface in the Sacramento River reaches or exceeds the reading of 48.0 on the continuous water stage recorder and staff gage located on the left bank of the Sacramento River 1,000 feet downstream from the Tisdale Weir at the pumping plant of the Sutter Mutual Water Company. Also when the water surface in the Sacramento River reaches or exceeds the reading of 37.0 on the continuous water stage recorder and staff gage located at Knights Landing on the left bank of the Sacramento River immediately upstream from the Southern Pacific Railroad Bridge. Both gages are set on U.S. Corps of Engineers datum.

\*Revised in August 2012



1-06. Assurances Provided by Local Interests. Assurance of cooperation by local interests is provided by State Legislation, as contained in Chapter 3, Part 2, Division 5 of the State Water Code (see paragraph 2-02a of the Standard Manual).

1-07. Transfer to or Acceptance by the State Reclamation Board. Responsibility for operating and maintaining portions of the completed works of Unit No. 128 was transferred to the State Reclamation Board by letters dated 8 November 1951, 13 December 1951, 21 January 1955, 17 August 1955, and 30 November 1956. Certain portions were accepted by the State Reclamation Board by letters dated 22 May 1952, 26 January 1959 and 10 November 1959, all as shown on copies of letters contained in Exhibit F.

1-08. Superintendent. The name and address of the Superintendent appointed by local interests to be responsible for the continuous inspection, operation, and maintenance of the project works shall be furnished the District Engineer, and in case of any change of Superintendent, the District Engineer shall be so notified.

## SECTION II

### FEATURES OF THE PROJECT SUBJECT TO FLOOD CONTROL REGULATIONS

#### 2-01. Levees.

a. Description. The limits of the levee covered in Unit No. 128 are as described in paragraph 1-02 of this manual. Reconstruction of this levee consisted mainly of setting back the levee, sloping the bank and placing stone protection on the waterside slope. The crown of the levee is 20 feet or more wide; the slopes are 1 on 3 waterside and 1 on 2 landside. For more complete detail of items in reconstruction of the above mentioned levee reference is made to the “As Constructed” drawings of Exhibit B. Structures affecting levee maintenance are listed in Exhibit E.

b. For pertinent Requirements of the Code of Federal Regulations and other requirements see the following:

- (1) Maintenance – paragraph 4-02 of the Standard Manual.
  - (i) Ensure that no unusual settlement, landside slippage, sloughing, or material loss of grade of levee cross section has taken place and the levee slopes are maintained as per drawings;
  - (ii) Ensure that no caving has occurred on the land side or the river side of the levee which might affect the stability of the levee section;
  - (iii) Ensure that the encapsulated toe drainage system is in good working conditions;
  - (iv) Ensure that no farming activities take place within the permanent easement from the toe.
- (2) Check Lists – Exhibit E of this Supplement Manual.
- (3) Operation – paragraph 4-04 of the Standard Manual.
- (4) Special Instructions – paragraph 4-05 of the Standard Manual.

c. Power Poles. Power poles and guy wires existed prior to the design and construction of the landside seepage/stability berms constructed at LM 0 and LM 31.5 (Sites 4 and 7 of drawing number 50-4-6011) The power poles were not relocated as part of the Mid-Valley project design and construction, but relocation of the poles should be considered in future improvements to the flood risk reduction system. The power poles shown on the drawings for these 2 locations are subject to the following conditions:

- (1) Increase inspection frequency at power poles during high water events.
- (2) If seepage is observed around power poles, sandbag around the power poles in the same manner as for a sand boil on the land side of the levee. See paragraph 8-09 of the Standard Manual.
- (3) If a power pole is to be replaced, consider relocating the pole outside of the flood risk reduction project right-of-way.

2-02. Drainage and Irrigation Structures.

a. Description. Drainage and irrigation structures which extend through the levee are as follows:

Location Levee Mileage	Size of Pipe	Location of Gate	Other Structure Description	Invert Below Crown
0.30	8"	-	Pump W.S. Siphon Breaker L.S.	4.8'
1.28	14"	-	Pump L.S.	5.2'
1.63	10"	W.S.	Pump W.S.	10.0'
1.96	12"	W.S.	Pump W.S.	16.2'
2.40	12"	W.S.	Pump W.S.	11.0'
3.72	2-36"	L.S..	Portuguese Pumping Plant L.S.	24.0'
3.72	30"	L.S.	Pump L.S.	6.5'
4.04	12"	W.S.	Slant Pump W.S.	2.0'
4.49	3-12"	W.S.	Pump W.S.	11.0'
4.71	12"	L.S.	Pump L.S.	2.8'
4.71	12"	W.S.	-	2.0'
5.23	18"	-	Slant Pump W.S.	4.0'

# Drainage and Irrigation Structures, Cont'd

Location Levee Mileage	Size of Pipe	Location of Gate	Other Structure Description	Invert Below Crown
6.16	14"	W.S.	Slant Pump W.S.	2.8'
6.53	30"	W.S.	Slant Pump W.S.	13.0'
6.87	8"	W.S.	-	4.5'
7.15	14"	W.S.	Pump W.S.	10.6'
7.22	10"	W.S.	Pump W.S.	4.5'
7.53	20"	W.S.	Pump W.S.	13.7'
7.68	2-1/2"	L.S.	Abandoned	13.2'
7.79	12"	W.S.	Slant Pump W.S.	13.2'
8.04	6"	W.S.	Pump W.S.	4.9'
8.44	36"	W.S.	Pump W.S.	13.0'
9.04	10"	L.S.	Pump W.S.	3.8'
9.77	14"	W.S.	Pump W.S.	4.2'
10.22	2'x2-1/2'	W.S.	Concrete Culvert	13.0'
10.81	12"	W.S.	-	4.3'
11.35	14"	W.S.	Pump W.S.	4.7'
11.57	8"	-	Pump W.S.	4.0'
12.12	2-4'x3.5'	W.S.	Concrete Culvert-Pump W.S.	17.0'
12.69	18"	W.S.	-	12.0'
13.06	24"	W.S.	Pump L.S.	14.5'
13.38	12"	W.S.	Pump W.S.	14.5'
14.32	16"	W.S.	Pump W.S.	6.8'
15.26	18"	W.S.	Pump W.S.	17.5'
15.89	24"	W.S.	-	16.0'
16.31	16"	-	Pump W.S.	5.5'
17.14	24"	W.S.	-	15.0'
17.45	20"	-	Slant Pump W.S.	3.7'
17.52	30"	W.S.	2-Slant Pump W.S.	16.5'
18.33	2-2'x2.5'	W.S.	Concrete Culvert-Pump W.S.	18.0'
18.60	14"	-	Slant Pump W.S.	5.0'
19.44	14"	W.S.	Pump W.S.	4.8'
20.71	2-5'x3'	W.S.	Pump W.S.-Concr. Culvert	21.0'
21.50	10"	-	Pump L.S.	3.8'
21.83	16"	W.S.	Pump W.S.	6.3'
22.16	12"	W.S.	Pump W.S.	5.8'
23.00	14"	W.S.	Pump W.S.	6.2'
23.92	24"	W.S.	Slant Pump W.S.	6.5'
24.60	24"	W.S.	Slant Pump W.S.	6.5'
25.80	4'x4'	W.S.	Concrete Culvert	16.5'
26.45	30"	W.S.	Pump W.S.	15.5'
26.84	1-24"	W.S.	Pump W.S.	7.1'
26.84	1-30"	W.S.	Slant Pump W.S.	7.1'
27.07	18"	W.S.	Slant Pump W.S.	7.1'

# Drainage and Irrigation Structures, Cont'd

Location Levee Mileage	Size of Pipe	Location of Gate	Other Structure Description	Invert Below Crown
27.96	24"	W.S.	Slant Pump W.S.	18.3'
28.53	36"	W.S.	Pump W.S.	7.0'
29.62	1.5'x3'	W.S.	Concr. Culvert-Slant Pump W.S.	15.0'
30.29	14"	L.S.	Slant Pump W.S.	5.0'
30.29	18"	L.S.	Slant Pump W.S.	4.6'
30.31	12"	W.S.	Pump W.S.	4.3'
30.46	30"	W.S.	Pump W.S.	17.5'
31.26	12"	-	Pump W.S.	5.5'
32.02	2'x2'	W.S.	Pump W.S.	15.0'
32.97	30"	W.S.	Pump W.S.	14.3'
33.28	12"	W.S.	Pump W.S.	16.0'
33.42	4'x4'	W.S.	Drainage Pump W.S. Concr. Culvert	29.0'
33.42	2-6'x6'	W.S.	Drainage Pump W.S. Concr. Culvert	29.0'
33.56	36"	W.S.	Pump W.S.	19.0'

## Notes on Abbreviations:

L.S. = Landside  
W.S. = Waterside  
Concr. = Concrete

b. For pertinent Requirements of the Code of Federal Regulations and other requirements see the following:

- (1) Maintenance - paragraph 5-02 of the Standard Manual.
- (2) Check Lists - Exhibit E of this Supplement Manual.
- (3) Operation - paragraph 5-04 of the Standard Manual.
- (4) Additional Requirements - paragraph 5-05 of the Standard Manual.
- (5) Safety Requirements - paragraph 5-06 of the Standard Manual.

## 2-03. Channel.

a. Description. The channel of the Sacramento River is confined between levees along both banks within this unit, and is located as described in paragraph 1-02 of this manual. The average width of the floodway between levees is about 400 feet and the project design flood capacity is 30,000 cubic feet per second. Since the channel is used for navigable purposes, the responsibility of local interests for inspection, maintenance and operation of the channel shall be

limited to flood control, and the requirements which follow shall be observed only to that extent.

b. For pertinent Requirements of the Code of Federal Regulations and other requirements see the following:

- (1) Maintenance - paragraph 6-02 of the Standard Manual.
- (2) Check Lists - Exhibit E of this Supplement Manual.
- (3) Operation - paragraph 6-04 of the Standard Manual.
- (4) Safety Requirements - paragraph 6-05 of the Standard Manual.

It shall be the duty of the Superintendent to maintain a patrol of the project works during all periods of flood in excess of a reading of 48.0 on the gage located on the left bank of the Sacramento River 1,000 feet downstream from the Tisdale Weir or a reading of 37.0 on the gage located at Knights Landing on the left bank of the Sacramento River immediately upstream from the Southern Pacific Railroad Bridge, as indicated in paragraph 1-05 of this manual. The Superintendent shall dispatch a message by the most suitable means to the District Engineer whenever the water surface in the Sacramento River reaches the gage readings above. The Superintendent shall cause readings to be taken at said gages at intervals of two to four hours during the period when the water surface is above the flood-flow stages indicated above and record the time of observations. One copy of the readings shall be forwarded to the District Engineer immediately following the flood, and a second copy transmitted as an inclosure to the semi-annual report in compliance with paragraph 3-05 of the Standard Manual.

#### 2-04. Miscellaneous Facilities.

a. Description. Miscellaneous structures or facilities which were constructed as a part of, or existed in conjunction with the protective works, and which might affect their functioning, include the following:

##### (1) Bridge Crossings.

(a) State Highway Bridge crossing the Sacramento River at Knights Landing.

(b) Southern Pacific Railroad Bridge crossing the Sacramento River at Knights Landing.

(c) Bridge over the Tisdale Weir.

(2) Utility Relocations. Because of the nature of the construction of the levees by local interests, no records of any utility relocations are available.

(3) Hydrographic Facilities.

(a) A continuous water stage recorder and staff gage to be maintained by the State Department of Water Resources located on the left bank of the Sacramento River 1,000 feet downstream from the Tisdale Weir.

(b) A continuous water stage recorder and staff gage to be maintained by the U.S. Geological Survey and State Department of Water Resources that is located on the left bank of the Sacramento River immediately upstream from the Southern Pacific Railroad Bridge at Knights Landing.

(4) Recreation Area. The recreation site on the water- \*  
side of the levee at Mile 93.7 which includes vehicle access ramps, boat launching ramp, pedestrian ramps, and parking areas shall be administered and maintained in a manner consistent with good public park practices. Inspection of the premises shall be conducted at least annually by members of the Corps of Engineers and the State Reclamation Board on a mutually agreed schedule, to determine the adequacy of the operation and maintenance program.

b. For pertinent Requirements of the Code of Federal Regulations and other requirements see the following:

- (1) Maintenance - paragraph 7-02 of the Standard Manual.
- (2) Check Lists - paragraph 7-03 of the Standard Manual.
- (3) Operation - paragraph 7-04 of the Standard Manual.

**2-05. Environment Protection.**

a. Vegetation preserved as a part of selective clearing on the waterside berm or slope above the bank protection during prosecution of the contract shall not be removed as a part of normal maintenance. Dead trees with wildlife value will be retained except where they constitute a hazard to existing flood control works. \*

b. Consistent with the standards established in this manual and those established by the State of California, all wild growth, including but not limited to, trees, shrubs and other vegetation within those project areas where environmental easements have been obtained by local interests shall be preserved and retained. (Reference Site Mile 114.8, left bank, Sacramento River.) \*



2-05. Environment Protection.

a. Vegetation preserved as a part of selective clearing on the waterside berm or slope above the bank protection during prosecution of the contract shall not be removed as a part of normal maintenance. Dead trees with wildlife value will be retained except where they constitute a hazard to existing flood control works.

\*

b. Consistent with the standards established in this manual and those established by the State of California, all wild growth, including but not limited to, trees, shrubs and other vegetation within those project areas where environmental easements have been obtained by local interests shall be preserved and retained. (Reference Site Mile 114.8, left bank, Sacramento River.) (Reference Site Mile 85.1, left bank, Sacramento River.)

\*

\*\*

### SECTION III

#### REPAIR OF DAMAGE TO PROJECT WORKS AND METHODS OF COMBATING FLOOD CONDITIONS

3-01. Repair of Damage. In the event of serious damage to the project works, whether due to flood conditions or other causes, and which may be beyond the capability of local interests to repair, the Superintendent will contact a representative of the Department of Water Resources, State of California who coordinates maintenance of project works of the Sacramento River Flood Control Project. The State representative will give assistance or advice, or will determine appropriate action to be taken.

3-02. Applicable Methods of Combating Floods. For applicable methods of combating flood conditions, reference is made to Section VIII of the Standard Manual and Maintenance Manual, revised May 1955, where the subject is fully covered.

EXHIBIT A

FLOOD CONTROL REGULATIONS  
(See Standard Manual)

EXHIBIT A  
Unattached

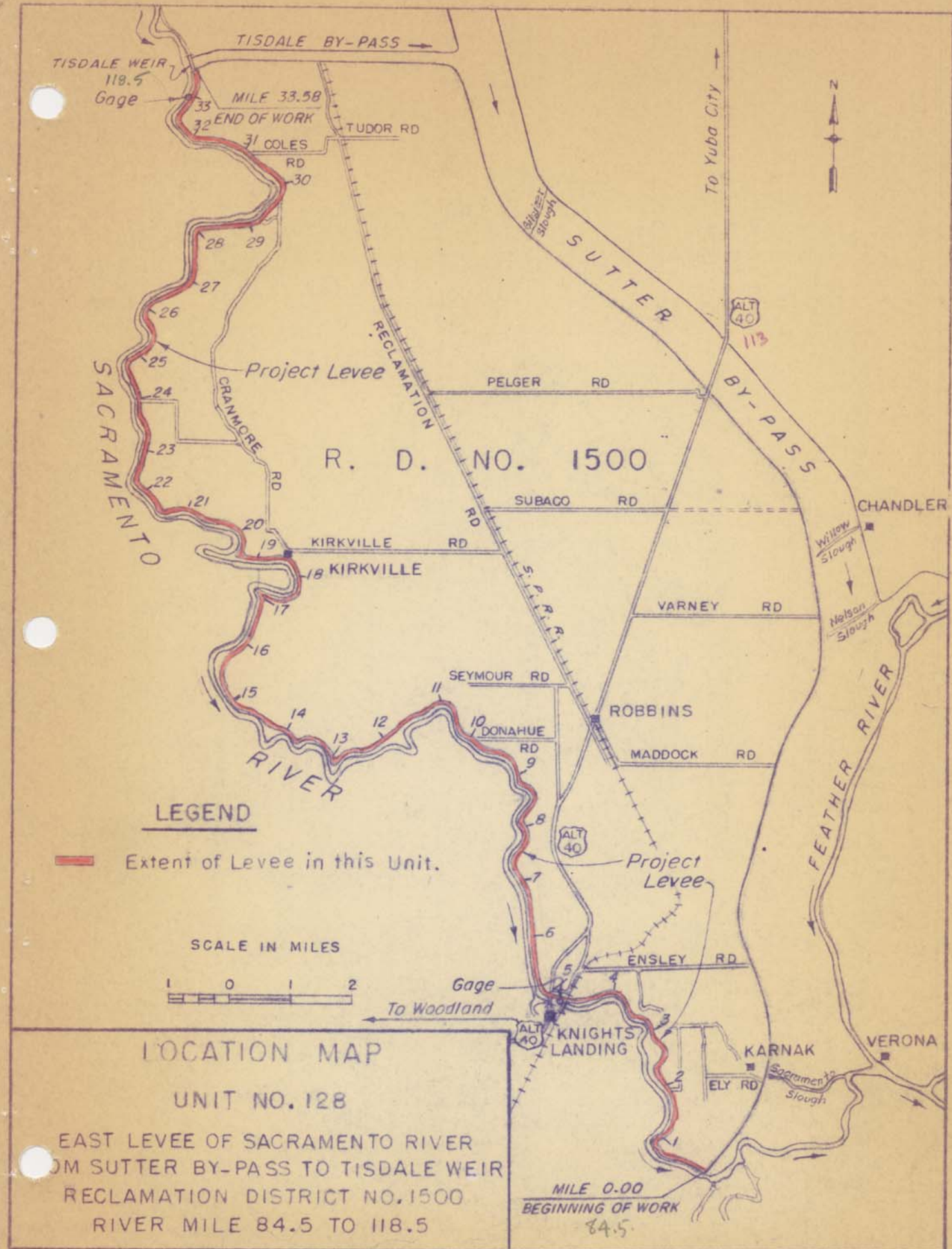


EXHIBIT B  
“As Constructed”  
Drawings

See separate folder for the following drawings:

File No.

6-4-1224	Setback at El Dorado Bend, Mile 98.9 (L), 1 sheet
6-4-1261	Setback at Race Track Bend, Mile 106.6 (L), 1 sheet
6-4-1352	Setback at Boyers Bend, Mile 111.1 (L), 1 sheet
6-4-1360	Setback at Rough and Ready Bend, 1 sheet
6-4-1367	Setback at Little Poker Bend. Mile 103.2 (L), 1 sheet
6-4-1426	Setback above El Dorado Bend. Mile 98.9 (L), 1 sheet
50-4-1663	Raise Levee Grade, Mile 98.5 (L) to 111.1 (L), sheets 1 to 8, incl.
50-4-1727	Setback at Collins Eddy Cut-off, Mile 102.5 (L), 1 sheet
50-4-1875	Setback at Burrells Ranch, Mile 91.7 (L), 1 sheet
50-4-2021	Setback at Hyatts Ranch, Mile 104.0 (L), 1 sheet
50-4-2029	Setback at Matiola Pump, Mile 98.0 (L), 1 sheet
50-4-2219	Setback at Mile 118.2 (L), 1 sheet
50-4-2226	East Levee at Missouri Bend. Mile 96.4 (L) to 104.2 (L), sheets 1 & 2
50-4-2251	Setback at Mile 84.6(L) and 85.5 (L) to 87.6 (L), 1 sheet
50-4-2295	East Levee at Mile 92.6 (L) to 94.5 (L), 1 sheet
50-4-2296	East Levee at Mile 99.3 (L) to 101.2 (L), 1 sheet
50-4-2297	East Levee at Mile 110.8 (L) to 111.5 (L), 1 sheet
50-4-2366	Levee Construction Mile 101.2 (L) to 102.3 (L), 1 sheet
50-4-2535	Ministerial Bend, Mile 104.2 (L), to 104.7 (L), 1 sheet

50-4-2536	El Dorado Bend, Mile 98.6 (L), 1 sheet
50-4-2614	Mile 102.5 (L) to 133.8 (L), sheets 1 and 2
50-4-2733	Setback Mile 94.0 (L) to 117.0 (L). Sheets 1 to 9, incl.
50-4-2917	Bank Protection at 7 sites, 1 sheet
50-4-2918	Bank Protection, Mile 97.4 (L) to 97.6 (L), 1 sheet
50-4-2919	Bank Protection, Mile 98.0 (L) to 98.5 (L), sheets 1 and 2
50-4-2920	Bank Protection, Mile 98.0 (L) to 98.5 (L), 1 sheet
50-4-2922	Bank Protection, Mile 111.5 (L) to 112.0 (L), 1 sheet
50-4-2923	Bank Protection, Mile 117.0 (L) to 118.4 (L), sheets 1 and 2
50-4-3008	Mile 92.7 (L) to 99.9 (L). Sheets 1, 5, 7, 8, 9, al and 11
50-4-3011	Mile 103.8 (L) to 129.5 (L), sheets 1 and 2
50-4-3062	Bank Protection, Mile 110.4 (L) to 110.9 (L), Sheets 1 and 2
50-4-3263	Stone Protection in R.D. 1500, Sheets 1 to 47, incl.
50-4-3359	Patrol Road, Mile 87.5 (L) to 89.8 (L), Sheets 1 to 3, incl.
50-4-3662	Repair of bank protection, left bank Sacramento River at Race Track Bend, Mile 106.15 to 106.95, in 5 sheets
50-4-3613	Bank Protection and Levee Construction at Critical Locations, Right and Left Banks Sacramento River, in 8 sheets.
50-4-3742	Bank Protection, Right and Left Banks at Various Sites from Boyer's Bend to Monument Bend, in 16 sheets.
50-4-3754	Bank Protection, Right and Left Banks Sacramento River at Various Locations Between Colusa and Boyers Bend, in 22 sheets (Unit No. 4).
50-4-4004	Bank Protection, Various Locations, Right and Left Banks Sacramento River and Bear River and Right Bank Feather River, in 33 sheets (Unit No. 8).
50-4-4078	Bank Protection, Various Locations Right and Left Banks Sacramento River and Feather River, in 29 sheets.

50-4-4078	Bank Protection, Various Locations Right and Left Banks Sacramento River and Feather River, in 30 sheets.
50-4-4310	Bank Protection, Various Locations Right and Left Banks Sacramento River between Tisdale Weir and Sacramento, in 26 sheets.
50-4-4339	Bank Protection, Various Locations Right and Left Banks Sacramento River between Colusa and Boyers Bend, in 32 sheets.
50-4-4381	Bank Protection, Various Locations Right and Left Banks Sacramento River between Mile 81.0 and 144.0, in 20 sheets.
50-4-4586	Bank Protection, Various Locations Right and Left Banks, Sacramento River Mile 144.0 to Mile 110.0, in 18 sheets.
50-4-4713	Bank Protection, Various Locations Right and Left Banks, Sacramento River Mile 60.0 to Mile 111.0, in 20 sheets.
50-4-4777	Bank Protection, Various Locations Right and Left Banks, Sacramento River Mile 84.0 to Mile 148.0, in 38 sheets.
50-4-5011	Bank Protection, Various Locations Right and Left Banks, Sacramento River Mile 111.0 to Mile 143.0, in 38 sheets.
50-4-5130	Bank Protection, Various Locations, Right and Left Banks, Sacramento River Mile 60.0 to Mile 110.0, in 41 sheets.
50-4-5433	Bank Protection, Various Locations, Right and Left Banks, Sacramento River Mile 61.0 to Mile 102.0, in 33 sheets.
50-4-5712	Bank Protection, Unit 38A, Right and Left Banks, Sacramento River Mile 80.0 to Mile 193.0, in 31 sheets.
50-4-5714	Bank Protection, Contract 38B, Right and Left Banks, Sacramento River Mile 62.6 to Mile 117.7, in 60 sheets.
50-04-6011	Sacramento River Flood Control Project, Mid-Valley Area Phase III, Levee Reconstruction – Contract 1B, Reclamation District 1500, Right Bank Sutter Bypass and Left Bank Sacramento River (construction drawings, sites 4, 5, 6, and 7).

EXHIBIT C

PLATES OF SUGGESTED FLOOD FIGHTING METHODS  
(See Standard Manual)

EXHIBIT C  
Unattached



EXHIBIT D

CHECK LIST NO. 1  
LEVEE INSPECTION NO. 1  
(See Standard Manual)

EXHIBIT D  
Unattached

EXHIBIT E

CHECK LISTS OF LEVEES,  
CHANNELS AND STRUCTURES

EXHIBIT E

Sheet 1 of 10

CHECK LIST NO. 2  
UNIT NO. 128

Inspector's Report Sheet No. \_\_\_\_\_ Inspector \_\_\_\_\_

Date \_\_\_\_\_ Superintendent \_\_\_\_\_

Item	Remarks
(a) Location by Station	
(b) Settlement, sloughing, or loss of grade	
(c) Erosion of both levee slopes	
(d) Condition of roadways, including ramps	
(e) Evidence of seepage	
(f) Condition of farm gates and fencing	
(g) Maintenance measures taken since last inspection	
(h) Comments	

INSTRUCTIONS FOR COMPLETING SHEET 2, EXHIBIT E

(To be printed on back of sheet 2)

- Item (a) Indicate levee station of observation, obtained by pacing from nearest reference point; indicate right or left bank.
- Item (b) If sufficient settlement of earthwork has taken place to be noticeable by visual observation, indicate amount of settlement in tenths of a foot. If sloughing has caused a change in slope of the embankment sections, determine the new slope. Note areas where erosion or gullyng of the section has occurred.
- Item (c) If sufficient erosion or gullyng of bank face of back toe of levee has taken place to be noticeable by visual inspection, indicate area affected and depth.
- Item (d) Note any natural change in any section of roadway or ramps. Indicate any inadequacy in surface drainage system.
- Item (e) Indicate any evidence of seepage through the embankment section.
- Item (f) Indicate the serviceability of all farm gates across the embankments and roadway, and indicate if repainting is required.
- Item (g) Indicate maintenance measures that have been performed since last inspection and their condition at the time of this inspection.
- Item (h) Record opinion, if any, of contributory causes for conditions observed and also any observations not covered under other columns.

NOTE: One copy of the Inspector's Report is to be mailed to the District Engineer immediately on completion, and one copy is to be attached to and submitted with the Superintendent's semi-annual report.

CHECK LIST NO. 3

CHANNEL AND RIGHT-OF-WAY  
UNIT NO. 128

Inspector's Report Sheet No. \_\_\_\_\_

Inspector \_\_\_\_\_

Date \_\_\_\_\_

Superintendent \_\_\_\_\_

Item	Remarks
(a) Name of channel and location by stations	
(b) Vegetal growth in channel	
(c) Debris and refuse in channel	
(d) New construction within right-of-way	
(e) Extent of aggradation or degradation	
(f) Condition of raprapped section	
(g) Condition of bridges	
(h) Measures taken since last inspection	
(i) Comments	

INSTRUCTIONS FOR COMPLETING SHEET 4, EXHIBIT E  
(To be printed on back of sheet 4)

- Item (a) Indicate station of observation obtained by pacing from nearest reference point.
- Item (b) Note nature, extent, and size of vegetal growth within the limits of flood flow channel.
- Item (c) Note nature and extent of debris and refuse that might cause clogging of the conduits of the irrigation intake works, fouling of the tainter gates, or the bridges over the channel.
- Item (d) Report any construction along the diversion channel or above the diversion works that has come to the attention of the inspector and that might affect the functioning of the project.
- Item (e) Indicate any change in grade or alignment of the channels, either by deposition or sediment or scour, that is noticeable by visual inspection. Estimate amount and extent.
- Item (f) Indicate any change that has taken place in the riprap such as disintegration of the rock, erosion, or movement of the rock. Note the presence of vegetal growth through the riprap.
- Item (g) Note any damage or settlement of the footings of the bridges. Indicate condition of wooden structures and if repainting is required. Indicate condition of bridge approaches, headwalls, and other appurtenances.
- Item (h) Indicate maintenance measures that have been performed since the last inspection of their condition at time of this inspection.
- Item (i) Record opinion, if any, of contributory causes for conditions observed, also any observations not covered under other columns.

NOTE: One copy of the Inspector's Report is to be mailed to the District Engineer immediately on completion, and one copy is to be attached to and submitted with the Superintendent's semi-annual report.

## CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

Inspector's Report Sheet No. \_\_\_\_\_

UNIT NO. 128

Inspector \_\_\_\_\_

Date \_\_\_\_\_

Superintendent \_\_\_\_\_

(a) Location by Levee Mileage	(b) Bank	(c) Debris or other obstruction to flow	(d) Damage or settlement of pipe or conduit	(e) Condition of concrete headwall or invert paving	(f) Condition of right-of-way adjacent to structure	(g) Repair Measures Taken Since Last Inspection	(h) Comments
0.30	Lt.						
1.28	"						
1.63	"						
1.96	"						
2.40	"						
3.72	"						
3.72	"						
4.04	"						
4.49	"						
4.71	"						
4.71	"						
5.23	"						
6.16	"						
6.53	"						
6.87	"						
7.15	"						
7.22	"						

CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

Inspector's Report Sheet No \_\_\_\_\_

UNIT NO. 128

Inspector \_\_\_\_\_

Date: \_\_\_\_\_

Superintendent \_\_\_\_\_

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Location by Levee Mileage	Bank	Debris or other obstruction to flow	Damage or settlement of pipe or conduit	Condition of concrete headwall or invert paving	Condition of right-of-way adjacent to structure	Repair Measures Taken Since Last Inspection	Comments
7.53	Lt.						
7.68	"						
7.79	"						
8.04	"						
8.44	"						
9.04	"						
9.77	"						
10.22	"						
10.81	"						
11.35	"						
11.57	"						
12.12	"						
12.69	"						
13.06	"						
13.38	"						
14.32	"						
15.26	"						



CHECK LIST NO. 4

DRAINAGE AND IRRIGATION STRUCTURES

Inspector's Report Sheet No. \_\_\_\_\_

UNIT NO. 128

Inspector \_\_\_\_\_

Date \_\_\_\_\_

Superintendent \_\_\_\_\_

(a) Location by levee Mileage	(b) Bank	(c) Debris or other obstruction to flow	(d) Damage or settlement of pipe or conduit	(e) Condition of concrete headwall or invert paving	(f) Condition of right-of-way adjacent to structure	(g) Repair Measures Taken Since last Inspection	(h) Comments
15.89	Lt.						
16.31	"						
17.14	"						
17.45	"						
17.52	"						
18.33	"						
18.60	"						
19.44	"						
20.71	"						
21.50	"						
21.83	"						
22.16	"						
23.00	"						
23.92	"						
24.60	"						
25.80	"						
26.45	"						

## CHECK LIST NO. 4

## DRAINAGE AND IRRIGATION STRUCTURES

Inspector's Report Sheet No. \_\_\_\_\_

UNIT NO. \_\_\_\_\_

Inspector \_\_\_\_\_

Date \_\_\_\_\_

Superintendent \_\_\_\_\_

(a) Location by levee Mileage	(b) Bank	(c) Debris or other obstruction to flow	(d) Damage or settlement of pipe or conduit	(e) Condition of concrete headwall or invert paving	(f) Conditions of right-of-way adjacent to structure	(g) Repair Measures Taken since last Inspection	(h) Comments
26.84	Lt.						
27.07	"						
27.96	"						
28.53	"						
29.62	"						
30.29	"						
30.29	"						
30.31	"						
30.46	"						
31.26	"						
32.02	"						
32.97	"						
33.28	"						
33.42	"						
33.42	"						
33.56							

Instructions for Completing Sheets 6 thru 9, Exhibit  
(To be printed on back of Sheets 6 thru 9)

- (1) Enter station of all structures under Column (a) for check list.
- (2) Inspect inlet, barrel, and outlet for accumulation of sediment, rubbish, and vegetal matter. Note condition under Column (c).
- (3) If any settlement or damage to the pipe, barrel, or invert of the drain has occurred, estimate the location and amount. Note particularly if any backfill has come into the pipe or been disturbed. Record observations under Column (d).
- (4) Inspect the concrete portions of the structures for evidence of settlement, cracks, "pop-outs", spaces, abrasive wear, or other deterioration. Record conditions under Column (e).
- (5) Inspect backfill area adjacent to structure for evidence of erosion caused by over flow of the drainage structure and note conditions in Column (f).
- (6) Under Column (g) indicate physical measures that have been taken to correct conditions reported in last inspection, and their condition at time of this inspection.
- (7) Under Column (h) record opinion, if any, of contributory causes for conditions observed, also any observations not covered under other columns.
- (8) A copy of the inspector's report is to be mailed to the District Engineer immediately on completion, and a record copy shall be attached to the Superintendent's semi-annual report.

EXHIBIT F

LETTER OF TRANSFER TO OR ACCEPTANCE BY  
THE STATE RECLAMATION BOARD

EXHIBIT F



DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS, SACRAMENTO DISTRICT  
1325 J STREET  
SACRAMENTO CA 95814-2922

NOV 29 2016

Ms. Leslie M. Gallagher  
Executive Officer  
Central Valley Flood Protection Board  
3310 El Camino Avenue, Room 151  
Sacramento, CA 95821

Dear Ms. Gallagher:

The purpose of this letter is to notify the Central Valley Flood Protection Board of the completion of an effort to update the Operation and Maintenance Manual Supplements for the Sacramento River Flood Control Project and the Lower San Joaquin River Levees and Lower San Joaquin River and Tributaries Project. These updates are a compilation of revisions made to the project over time and where we had record of a transfer letter to the Board. These updated supplements are the most current version and should be utilized as the baseline version for any future project modifications.

This process and the compiled updates have been coordinated with the Central Valley Flood Protection Board and Department of Water Resources staffs for review and comment. All comments have been addressed or incorporated into the manuals.

The Board staff has been provided a copy of the manuals in electronic format. Future updates will include entire unit supplements so updates can be seen in context with the entire unit supplement. The list of completed supplements, by the unit number and title, are attached. If you have any questions regarding this transmittal, please contact Gary Kamei at 916-557-6845.

Sincerely,

A handwritten signature in black ink, appearing to read "D. G. Ray", is positioned above the typed name and title.

David G. Ray, P.E.  
Colonel, U.S. Army  
District Commander

Enclosures

<b>Standard O&amp;M Manual Sacramento River Flood Control Project</b>	
<b>Unit No.</b>	<b>Project Name</b>
101	RD 341 Sherman Island
102	E. Levee of Sac River, Isleton to Threemile Slough & N. Levee of Threemile Slough from Sac River to SJ River
103	Both Levees of Georgiana Slough & E. Levee of Sac River from Walnut Grove to Isleton
104	Levees around Grand Island
105	Levees Around Reyer Island
106	S. Levee Lindsey Slough & W. Levee of Yolo BP from Lindsey Slough to Watson Hollow and N. Levee of Watson Hollow Drain
107	Levees Around Hastings Tract
108	Levees Around Peters Tract
109	West Levee of Yolo Bypass & E. Levee of Cache Slough
110	Levees Around Sutter Island
111	E. Levee of Sac River from Freeport to Walnut Grove
112	Levees Around Merritt Island
113	E. Levee Yolo Bypass, N. Levee Miner Slough, W. Levees Sutter Slough, Elkhorn Slough & Sac River, All Bordering RD 999
114	W. Levee of Sac River from Northern Boundary of RD 765 to Southern Boundary of RD 307
115	E. Levee of Sac River from Sutterville Rd to Northern Boundary of RD 744
116	W. Levee of Sac River from Sac Weir to Mi 51.2 & S. Levee of Sac Bypass & E. Levee of Yolo Bypass from Sac Bypass to Southern Boundary of RD 900
117	E. Levee Sac River through City of Sac from Tower Bridge to Sutterville Rd
118.1	E. Levee of Sac River from American River to Tower Bridge & S. Levee of American River from Mayhews Downstream to Sac River
118.2	N. Levee American River, E. Levee Natomas Canal, Both Levees Arcade Creek, S. Levee Linda Creek, & Magpie Creek Diversion Channel
118.2 Sup	Vegetation on Mitigation Sites E. Levee of Sac River from American River to Tower Bridge & S. Levee of American River from Mayhews Downstream to Sac River
119	Putah Creek Channel & Levees & W. Levee of Yolo Bypass from Yolo Causeway Downstream 3 mi. Includes O&M manual for the Yolo Basin wetlands, and South Fork Putah Creek Preserve Restoration Section 1135 Authorization.
120	Relocated Willow Slough Channel & Levees & W. Levee Yolo Bypass from mouth of Relocated Willow Slough to Yolo Causeway
121	R. Levee of Yolo Bypass from Willow Slough Bypass to Woodland Rd RD2035
122.1	W. Levee of Sac River from Mi 70.8 to Sac Weir & N. Levee of Sac Bypass & E. Levee of Yolo Bypass from Woodland Hwy to Sac Bypass
123	W. Levee of Sac River from East End of Fremont Weir to Mi 70.8 & E. Levee of Yolo Bypass from East End Fremont Weir to Woodland Hwy RD 1600

124	N. Levee of American River from Natomas E. Canal to Sac River & E. Levee of Sac River from Natomas Cross Canal to American River. Includes supplement, Vegetation on Mitigation Sites.
125	Back Levee of RD 1000
126	Cache Creek Levees & Settling Basin Yolo Bypass to High Ground
127	Knights Landing Ridge Cut & Sac River & Yolo BP Levees of RD's 730 and 819 & S. Levee of Sycamore Slough
128	E. Levee of Sac River from Sutter Bypass to Tisdale Weir all within RD 1500
129	S. Levee of Tisdale By-Pass from E. Levee Sac River to W. Levee Sutter BP & W. Levee of Sutter BP Downstream to E. Levee of Sac River
130	W. Levee Sac River from Sycamore Slough to Wilkins Slough (Mi. 89.9 to Mi. 117.8)
131	W. Levee Sac River from Wilkins Slough to Colusa (Mi. 117.8 to Mi. 143.5)
132	Back Levees of RD 108
133	E. Levee of Sac River from Winship School to Tisdale BP & N. Levee of Tisdale BP & W. Levee of Sutter BP from Long Bridge to Tisdale BP
134	Levees of RD 70, E. Levee of Sac River from Butte Slough Outfall Gates to Winship School & W. Levee of Sutter BP from Butte Slough Outfall Gates to Long Bridge
135	E. Levee of Sutter BP from Sutter Buttes Southerly to Junction with Feather River & E. & W. Levees of Wadsworth Canal & Levee of Intercepting Canals
136	E. Levee of Sac River from Butte Slough Outfall Gates to the Princeton-Afton Rd (Mi. 138.3 to Mi. 164.4)
137	W. Levee of Sac River from North End of Princeton Warehouse to Colusa Bridge
138	E. Levee of Sac River from Parrott-Grant Line to Princeton-Afton Rd
139	W. Levee of Sac River from N. Boundary of LD 2 to North End of Princeton Warehouse
140	W. Levee of Sac River in LD 1 (Mi. 170.5 to Mi. 184.7). Includes mitigation site O&M manual, Yuba County
141.1	E. Levee of Feather River from Bear River to Natomas CC & S. Levee of Bear River & Both Levees of Yankee Slough. Parts 1 and 2
141.2	E. Levee of Feather River from Bear River to Natomas CC & S. Levee of Bear River & Both Levees of Yankee Slough. Parts 1 and 2
142	Back Levee of RD 1001
143	W. Levee of Feather River from North Boundary of RD 823 to E. Levee of Sutter Bypass
144	W. Levee of Feather River from North Boundary of LD 1 to North Boundary of RD 823
145	E. Levee of Feather River, S. Levee of Yuba River, Both Levees of WPRR Intercepting Channel, W. Levee of South Dry Creek & N. Levee of Bear River
146	N. Levee of Bear River & S. Levee of South Dry Creek RD 817 & Vicinity of Wheatland
147	Levee Around the City of Marysville & N. Levee of Yuba River to a Point 1.8 Mi. Upstream from Marysville

148	W. Levee of Feather River from North Boundary of RD 777 to North Boundary of LD 1
149	S. Levee of Yuba River Maintenance Area No. 8
151	E. Levee Feather River from Honcut Creek to Marysville & S. Levee of Honcut Creek & E. Levee of RD 10
152	W. Levee of Feather River from N. Boundary of RD 777 to Western Canal Intake (Levee of Drainage District No. 1)
153	Lower Butte Creek Channel Improvement, Colusa, Glenn & Butte Counties
154	Moulton Weir & Training Levee Sacramento River
155	Colusa Weir & Training Levee Sacramento River
156	Tisdale Weir & Bypass
157	Fremont Weir, Sacramento River
158	Sacramento Weir, Sacramento River
159	Pumping Plants No. 1, 2 & 3, Sutter Bypass
160	Sutter Butte Canal Headgate
161	Butte Slough Outfall Gates
162	Knights Landing Outfall Gates, Sacramento River



<b>Standard O&amp;M Manual San Joaquin River</b>	
<b>Unit No.</b>	<b>Project Name</b>
1	Right Bank Levee of the San Joaquin River & French Camp Slough within RD 404
2	Right Bank Levee of the San Joaquin River & French Camp Slough within RD 17
3	North Levee of Stanislaus River & East Levee of the San Joaquin River within RD 2064, 2075, 2094 and 2096
4	East Levee of San Joaquin River within RD 2031
5	East Levee of the San Joaquin River Within RD No. 2092
6	East Levee of the San Joaquin River in RD Nos. 2063 & 2091
7	West Levee of San Joaquin River & North Levee of Old River RD Nos. 524 & 544
8	Right Banks of Old River & Salmon Slough Within RD No. 1 & RD No. 2089
9	Levees Around RD No. 2062 & San Joaquin County Flood Control District Area No.2
10	West Levee of Paradise Cut RD No. 2058 & SJ County Flood Control District, Area No.2
11	West Levee of San Joaquin River from Durham Bridge to Paradise Dam Within RD No. 2085 & 2095
12	West Levee of San Joaquin River From Opposite Mouth of Tuolumne River Downstream to Stanislaus County Line Within RD Nos. 2099, 2100, 2101, & 2102
13	West Levee of the San Joaquin River in RD No. 1602



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
U.S. Army Engineer District, Sacramento  
Corps of Engineers  
1325 J Street  
Sacramento, California 95814-2922

Flood Protection and Navigation Section

OCT - 9 2012

Mr. Jay Punia, Executive Officer  
Central Valley Flood Protection Board  
3310 El Camino Avenue, Room 151  
Sacramento, California 95821

Dear Mr. Punia:

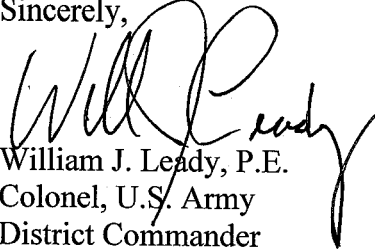
This letter is to transfer work along the left (east) bank of Sacramento River to the Central Valley Flood Protection Board for Operation, Maintenance, Repair, Replacement, and Rehabilitation (OMRR&R). The completed works are located in Sutter County within Reclamation District (RD) 1500 and includes site numbers 4, 6, and 7 on the left (east) bank of Sacramento River. The sites were repaired as a result of damage sustained during the Flood of 1986 under Contract 1B. The locations of the sites can be found within drawing number 50-04-6011. A description of the repairs is included in the enclosed revisions to "Supplement to Standard Operation and Maintenance Manual, Sacramento River Flood Control Project, Unit Number 128, East Levee of Sacramento River from Sutter Bypass to Tisdale Weir, all within Reclamation District No. 1500, (Mile 84.5 to 118.5)."

The work was performed under the Energy and Water Development Appropriation Act, 1987 (Public Law 99-591). The repairs were completed in accordance with Specification Number 9803 and Drawing File Number 50-04-6011. The As-built drawings for these works are not available. The construction drawings included with this package are the most accurate record of the work completed. The drawings are titled "Sacramento River Flood Control Project, Mid-Valley Area Phase III, Levee Reconstruction – Contract 1B, Reclamation District 1500."

The completed work shall be operated and maintained in accordance with the "Project Cooperation Agreement between the Department of Army and the State of California for Construction of the Separable Element, Reclamation District 1500, of the Mid-Valley Area – Phase III Levee Reconstruction Project, California," dated September 12, 1996. The completed work is hereby transferred to the Central Valley Flood Protection Board as of the date of this letter for operation, maintenance, repair, replacement, and rehabilitation in accordance with the enclosed Operations and Maintenance Manual Supplement. Hard copies and electronic versions (CD) are provided.

A copy of this letter is being furnished to Reclamation District 1500, P.O. Box 93, Robbins, CA 95676. If you have any question regarding this project, please contact Mr. Charles Austin of the Programs and Project Management Division at (916) 557-7550.

Sincerely,



William J. Leady, P.E.  
Colonel, U.S. Army  
District Commander

Enclosures



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
U.S. Army Engineer District, Sacramento  
Corps of Engineers  
1325 J Street  
Sacramento, California 95814-2922

**FEB 15 2012**

Flood Protection and Navigation Section

Mr. Jay Punia  
Executive Officer  
Central Valley Flood Protection Board  
3310 El Camino Avenue, Room 151  
Sacramento, California 95821

Dear Mr. Punia:

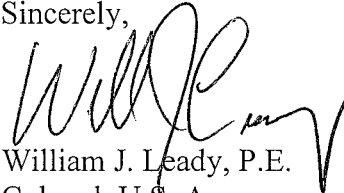
This letter is to transfer a portion of work along the left (east) bank of Sacramento River to the Central Valley Flood Protection Board for Operation, Maintenance, Repair, Replacement, and Rehabilitation (OMRR&R). The completed work is located in Sutter County within Reclamation District (RD) 1500 and includes site number 5 on the left (east) bank of Sacramento River. The site was repaired as a result of damage sustained during the Flood of 1986 under Contract 1B. The location of site 5 is shown in Enclosure 1. A description of the repairs is included in Enclosure 2 titled "Supplement to Standard Operation and Maintenance Manual, Sacramento River Flood Control Project, Unit Number 128, East Levee of Sacramento River from Sutter Bypass to Tisdale Weir, all within Reclamation District No. 1500, (Mile 84.5 to 118.5), paragraph 1-04 gg."

The work was performed under the Energy and Water Development Appropriation Act, 1987 (Public Law 99-591). The repairs were completed in accordance with Specification Number 9803 and Drawing File Number 50-04-6011. The As-built drawings for this work are not available. The construction drawings included with this package are the most accurate record of the work completed. The drawings are titled "Sacramento River Flood Control Project, Mid-Valley Area Phase III, Levee Reconstruction – Contract 1B, Reclamation District 1500."

The completed work shall be operated and maintained in accordance with the Project Cooperation Agreement between the Department of Army and the State of California dated September 12, 1996 (encl 3). This portion of work will be added by amendment to the Operation and Maintenance Manual, Unit Number 128, Sacramento River Flood Control Project. Said flood control work is transferred as of the date of this letter to the Central Valley Flood Protection Board for OMRR&R. Both, hard copies and electronic versions (CD) are provided.

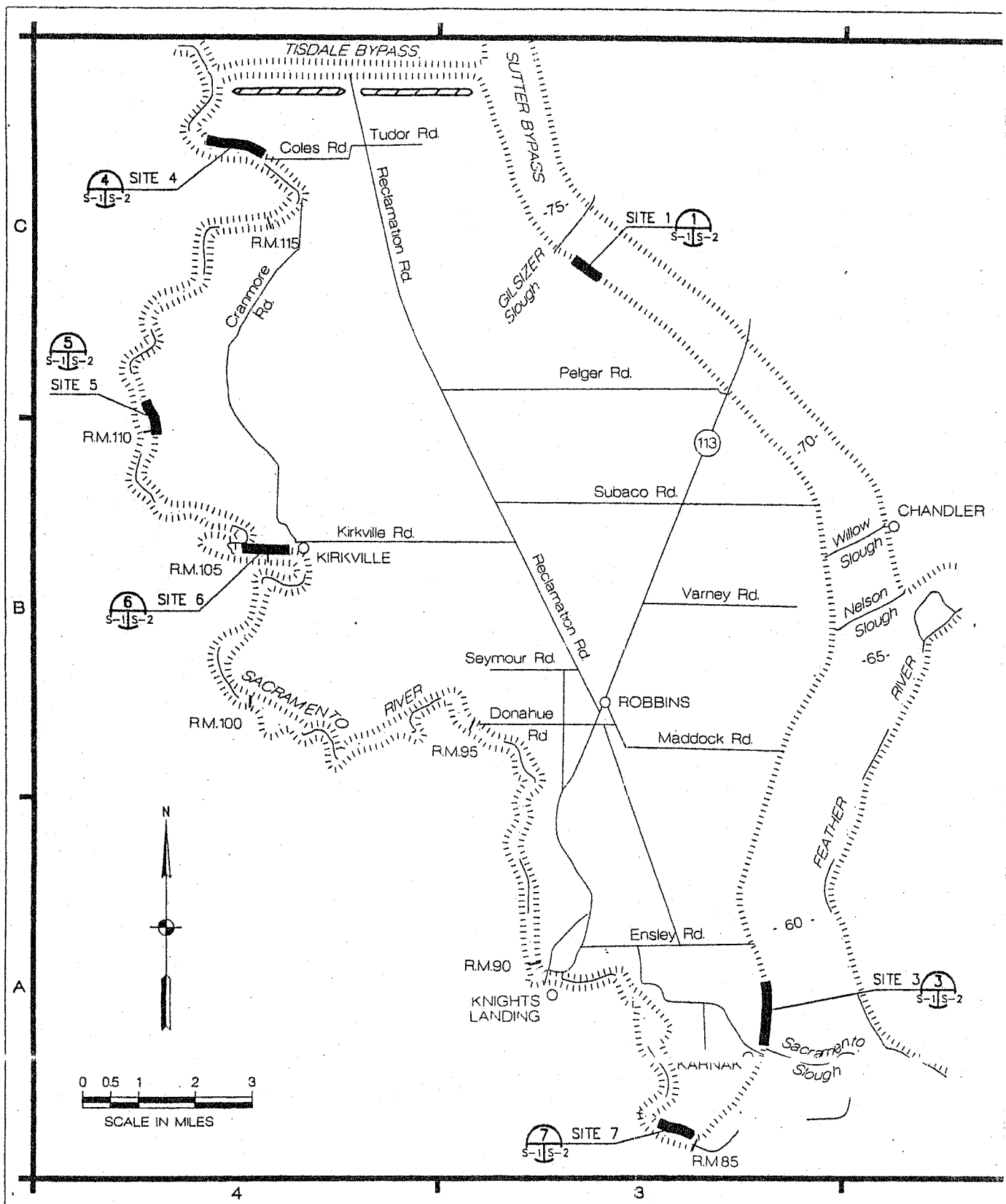
A copy of this letter is being furnished to Reclamation District 1500, P.O. Box 93, Robbins, CA 95676. If you have any question regarding this project, please contact Mr. Charles Austin of the Programs and Project Management Division at (916) 557-7550. If you have any question regarding this transfer, please contact Mr. Ryan Larson, Flood Protection and Navigation Section at (916) 557-7568.

Sincerely,

A handwritten signature in black ink, appearing to read 'William J. Leady', with a stylized flourish at the end.

William J. Leady, P.E.  
Colonel, U.S. Army  
District Commander

Enclosures



ENCLOSURE 1

November 30, 1987

Navigation and Flood Control Unit

*Done*  
The Reclamation Board  
State of California  
1416 - 9th Street, Room 455-6  
Sacramento, California 95814

Members of the Board:

This is in regard to the joint inspections of November 24 and 25, 1987, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 38B), to the State of California for operation and maintenance. The flood control work consists of bank sloping and placement of stone protection on the Sacramento River's right bank at Site Miles 62.6, 70.2, 71.2, 72.1, 76.6, 76.9, 89.8 (two sites on the left and right banks below Colusa Basin Outfall) and 98.7, and left bank at Site Miles 78.2, 101.5 and 105.5.

The work was completed on November 15, 1987, in accordance with Contract Number DACW05-86-C-0079, Specification Number 7082 and Drawing Number 50-4-5714. A 100-foot section of bank protection was deleted on the right bank at Site Mile 62.6 to accommodate a water intake facility for the City of West Sacramento.

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-645, July 14, 1960), and Section 2304(a), Title 10, and the Water Resources Development Act of 1986 (PL 99-662, October 17, 1986), and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous, thereto, is transferred as of November 25, 1987 to the State of California for operation and maintenance.

*orig lost*

*Units 116, 122, 123,  
124, 127, 128,  
130*

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 116, 122, Part-1, 123, 124, 127, 128 and 130, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

Sincerely,

(1145)

Wayne J. Scholl  
Colonel, Corps of Engineers  
District Engineer

ROMPALA/mt

Copies Furnished:

KELLY

DWR, ATTN: G. Snow  
DWR, ATTN: G. Qualley

A. SMITH

cc:

Commander, South Pacific Division, ATTN: CESPD-0  
Commander, USACE, ATTN: DAEN-CECW-OM  
Flood Control Unit  
Civ Des Sec D (Pahl)  
Prog Dev  
F&A Br  
Valley Res Ofc (dupe)  
C-O Div  
Reading

HELM

FAST

DENNIS

CZARZASTY

SCHOLL

WANG #8856a

*Units 116, 122, 123,  
124, 127, 128, 130*



CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

January 16, 1987

Navigation and Flood Control Unit

The Reclamation Board  
State of California  
1416 - 9th Street, Room 401-6  
Sacramento, California 95814

Members of the Board:

You are hereby notified that the Corps of Engineers has completed emergency repairs to project levees under authority of Section 5 of the Flood Control Act of August 18, 1941, as amended (Public Law 99, 84th Congress, 1st Session). The work was completed on December 3, 1986, and consisted of restoring portions of the Sacramento River left bank levee and the Sutter Bypass right bank levee in Reclamation District 1500, in accordance with Contract Number DACW03-86-C-6108 and Drawing Number PB-3-4-2. This work shall be maintained in accordance with the assurances which your Board provided for the Sacramento River Flood Control Project. This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 123 and 125, Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

Sincerely,

cc:  
E.M. (Garrett)  
>Ops Br  
Engr Div (Civ Des Sec D - Pahl)  
Valley Res Ofc (Cameron)

Wayne J. Schell  
Colonel, Corps of Engineers  
District Engineer

Copies furnished:

Commander, South Pacific Division, ATTN: SPDCO-0  
DWR, ATTN: J. Angel  
DWS, ATTN: G. Snow

*RM 1-20*  
ROMPALA/th

*RK*  
KELLY

*AS*  
A. SMITH

*H*

FAST

*D*  
DEANIS

*Mc*  
McCOLLAM

SCHOLL

*W*  
WANG #6287a

*Chit's 128/129*

*SUTTER BYPASS R.B. & SACTO R. L.B.*



*Goodnight*

MAR 3 1986

Colonel Wayne J. Scholl  
District Engineer  
Sacramento District  
U. S. Army Corps of Engineers  
650 Capitol Mall  
Sacramento, CA 95814

Dear Colonel Scholl:

Reference is made to your letter of November 27, 1985 concerning the transfer of a portion of the Sacramento River Bank Protection Project in Contract No. 38A to the State of California for operation and maintenance.

The flood control work consisted of selective clearing, bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Sites Miles 94.0, 96.6, 127.5, and 128.5, Left Bank, and 80.6 and 99.2, Right Bank, Sacramento River.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-5712, Specification No. 7053, and Contract No. DACW 05-84-C-0012, insofar as could be determined visually.

The Reclamation Board, at its regular meeting of December 20, 1985, formally accepted the completed work on the above-referenced sites from the District Engineer for operation and maintenance.

If you have any questions concerning the above, please contact Mr. Richard Goodnight at (916) 445-9335.

Sincerely,

Original signed by  
Robert L. Manning

*for*  
RAYMOND E. BARSCH  
General Manager

bcc: Gene Snow  
Robert Bailey

RRGoodnight:pva

*Units 123, 128, 130,  
134*

November 27, 1983

Navigation and Flood Control Unit

The Reclamation Board  
State of California  
1416 - 9th Street, Room 455-6  
Sacramento, California 95814

Members of the Board:

This is in regard to the joint inspection of November 14, 1983 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 3AA), to the State of California for Operation and Maintenance. The flood control work consists of bank sloping and placement of stone protection on the Sacramento River left bank at Site Miles 94.0, 96.6, 127.5 and 128.5 and right bank at Site Miles 80.6, 99.2, and 134.6. These sites were completed during the past construction season in accordance with Contract Number DACW03-84-C-0112, Specification Number 7033 and Drawing Number 30-4-3712.

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-649, July 14, 1960), and Section 2304(a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous thereto is transferred as of November 20, 1983 to the State of California for operation and maintenance.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement Numbers 123, 128, 130, 134, and 137 Sacramento River Flood Control Project. Copies will be furnished to your office at a later date.

Sincerely,

RONPALA/jb

KELLY

Wayne J. Scholl  
Colonel, Corps of Engineers  
District Engineer

HELM

FAST

Copy Furnished:

DWR, ATTN: M. Luttrepp  
DWR, ATTN: D. Maixner  
Commander, South Pacific Division, ATTN: SPDCO-0  
Commander, USACE, ATTN: DAEN-CWO-0

SCHOLL

VERES  
CAMPBELL  
PAHL  
FILE

cc: Flood Control Unit  
Div (Civ Des Sec D (Pahl)  
Div  
F&A Br  
Valley Res Ofc  
C-O Div

**DEPARTMENT OF WATER RESOURCES  
THE RECLAMATION BOARD**

1416 - 9th Street, Room 335-18  
Sacramento, CA 95814  
(916) 445-9454



DEC 04 1979

Colonel Paul F. Kavanaugh  
District Engineer  
Sacramento District  
U. S. Army Corps of Engineers  
650 Capitol Mall  
Sacramento, CA 95814

Dear Colonel Kavanaugh:

The Reclamation Board at its regular meeting of November 16, 1979, authorized me to accept from the District Engineer the completed flood control work on a portion of Unit No. 34 of the Sacramento River Bank Protection Project. The flood control work was transferred to the State of California by your letter of November 19, 1979.

The flood control work consisted of selective clearing, bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Sites Miles 85.9, 90.0, 91.4, 93.3, 101.0 Right Bank, and 85.1, 95.2, 99.9 and 100.9 Left Bank, Sacramento River.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-5433, Specification No. 5403, and Contract No. DACW 05-78-C-0046, insofar as could be determined visually.

Sincerely,

ELDON E. RINEHART  
General Manager

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Unit 34, 12/13/79





C  
O  
P  
Y

**DEPARTMENT OF THE ARMY**  
**SACRAMENTO DISTRICT, CORPS OF ENGINEERS**  
**650 CAPITOL MALL**  
**SACRAMENTO, CALIFORNIA 95814**

C  
O  
P  
Y

REPLY TO  
ATTENTION OF SPKCO-0

19 November 1979

The Reclamation Board  
State of California  
1416 - 9th Street  
Sacramento, California 95814

Gentlemen:

This is in regard to the joint inspection of 15 November 1979 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit 34), to the State of California for Operation and Maintenance. The flood control work consists of levee bank sloping and placement of stone protection on the Sacramento River right bank at Site Miles 85.9, 90.0, 91.4, 93.3, and 101.0 and left bank at Site Miles 85.1, 95.2, 99.9 and 100.9. The sites described in the inclosure were completed on 15 November 1979 in accordance with Contract No. DACW05-78-C-0046, Specification No. 5403 and Drawing No. 50-4-5433.

The work was performed under general authority of the Flood Control Act of 1980, 86th Congress, 2nd Session (PL 86-645, 14 July 1980), and Section 2304 (a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous, thereto, is transferred as of 16 November 1979 to the State of California for operation and maintenance.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplements Nos. 127, 128, and 130, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely,

1 Incl  
Summary Sac Rv Bk  
Prot. Project Unit 34

PAUL F. KAVANAUGH  
Colonel, CE  
District Engineer

Copy furnished:  
DWR, ATTN: R. Franson  
DWR, ATTN: D. Meixner

EXHIBIT F

**Summary of Sacramento River  
Bank Protection Project  
Portion of Unit 34  
Sacramento River Right Bank**

<b>Site Mile</b>	<b>Stone Protection</b>	<b>L.F.</b>
85.9	STA. 1+00 to 7+40	640
90.0	STA. 128 +00 to 135+80 STA. 0+00 to 0+62	818
91.4	STA. 53+70 to 58+30	460
93.3	STA. 93+80 to 102+00	820
101.0	STA. 0+60 to 11+00	1040

**Sacramento River Left Bank**

85.1	STA. 81+50 to 94+00	1250
95.2	STA. 22+00 to 28+00	600
99.9	STA. 30+00 to 36+00	600
100.9	STA. 83+00 to 87+00	400

DEPARTMENT OF WATER RESOURCES  
THE RECLAMATION BOARD

9th Street, Room 335-18  
Sacramento, CA 95814  
445-9454

C  
O  
P  
Y

SEP 6 1979

Colonel Paul F. Kavanaugh  
District Engineer  
Sacramento District  
U. S. Army Corps of Engineers  
650 Capitol Mall  
Sacramento, CA 95814

Dear Colonel Kavanaugh:

The Reclamation Board at its regular meeting of August 24, 1979 authorized me to accept the completed flood control work which was transferred to the State of California by your letter of July 27, 1979. This work is a portion of Unit No. 30 of the Sacramento River Bank Protection Project.

The flood control work was constructed in a workmanlike manner and in conformance with File No. 50-4-5130, Specification No. 5081 and Contract No. DACW05-76-C-0107, insofar as could be determined visually, at Sites Miles 84.5, 88.2, 92.6, 95.6, 99.5 and 102.1 Left Bank, Sacramento River.

Sincerely,

  
ELDON E. RINEHART  
General Manager



EXHIBIT F



SPKCO-0

27 July 1979



The Reclamation Board  
State of California  
1416 - 9th Street, Room 335  
Sacramento, California 95814

*Done*

Gentlemen:

This is in regard to the joint inspection of 26 July 1979, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit No. 30), to the State of California for operation and maintenance. The flood control work consists of levee bank sloping and placement of stone protection on the Sacramento River left bank at Site Miles 84.5, 88.2, 92.6, 95.6, 99.5, and 102.1. The sites described on the inclosure were completed on 26 July 1979 in accordance with Contract No. DACW05-76-C-0107, Specification No. 5081 and Drawing No. 50-4-5130.

The work was performed under general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL86-645, 14 July 1960), and Section 2304 (a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway bank contiguous thereto, is transferred as of 27 July 1979 to the State of California for operation and maintenance.

This portion of the work will be added by amendment to the Operation and Maintenance Manual, Supplement No. 128, Sacramento River Bank Protection Project. Copies will be furnished your office at a later date.

*in 21-7-79*  
KOMPALA/dh/R  
*in for*  
A. SMITH

Sincerely,

**SACRAMENTO RIVER  
FLOOD CONTROL PROJECT**  
*Control Project*

PAUL F. KAVANAUGH  
Colonel, CE  
District Engineer

*HEIN*  
PROBASCO  
KAVANAUGH

*1* Incl  
As stated

Copy furnished:  
DWR, ATTN: R. Franson  
ATTN: D. Meixner

*1* OCE

*1* SPD

cc: *1* Ops Br (Flood Control), Valley Res Ofc (dupe), *1* Engr Div (Lev & Chan),  
*1* Prog Dev Br, *1* E&A Br (Kalal)

*Unit 128*



SUMMARY OF SACRAMENTO RIVER  
BANK PROTECTION PROJECT  
PORTION OF UNIT 30  
SACRAMENTO RIVER LEFT BANK

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L. F.</u>
84.5	Sta. 0+40 to 11+00	1060
88.2	Sta. 2+10 to 4+00	190
92.6	Sta. 0+60 to 2+80	220
95.6	Sta. 6+50 to 10+50	400
99.5	Sta. 3+70 to 5+50	180
102.1	Sta. 0+00 to 8+00	800

2850

Unit 28

C  
O  
P  
Y

STATE OF CALIFORNIA  
THE RECLAMATION BOARD

C  
O  
P  
Y

August 25, 1977

Colonel Donald M. O'Shei  
District Engineer  
Sacramento District  
U. S. Army Corps of Engineers  
650 Capitol Mall  
Sacramento, CA 95814

Dear Colonel O'Shei:

The Reclamation Board at its regular meeting of August 23, 1977, formally accepted from the District Engineer the completed flood control work on a portion of Unit No. 29 of the Sacramento River Bank Protection Project. The flood control work was transferred to the State of California by your letter of August 11, 1977.

The flood control work consisted of selective clearing, bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Sites Miles 114.8, 119.8, 120.3, 121.5, 121.7, 122.3, 122.4, 123.3, 125.0, 125.6, 128.6, 135.0 and 137.5 Left Bank, Sacramento River.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-5011, Specification No. 4833, and Contract No. DACW 05-76-C-0084, insofar as could be determined visually.

Sincerely,

/s/ Paul L. Clifton  
PAUL L. CLIFTON  
General Manager

EXHIBIT F



11 August 1977

The Reclamation Board  
State of California  
1416 - 9th Street, Room 335  
Sacramento, CA 95814

*done*

Gentlemen:

Reference is made to the joint inspection of 9 August 1977, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project (Unit No. 29) to the State of California for operation and maintenance. This flood control work consists of bank sloping and placement of stone protection on the Sacramento River left bank at Site Miles 114.8, 119.8, 120.3, 121.5, 121.7, 122.3, 122.4, 123.3, 125.0, 125.6, 128.6, 135.0, and 137.5. The sites, as listed on the inclosure, were completed on 9 August 1977 in accordance with Specification No. 4833, Contract No. DACW05-76-C-0084, Drawing No. 50-4-5011.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session (PL 86-645, 14 July 1960), and Section 2304(a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 10 August 1977 to the State of California for operation and maintenance.

*ROMPALA/sip*

RI *PH*

*M. B. ROE*

This <sup>part</sup> of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 128, 133, and 134, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

*A. SMITH*

*HENSON*

*PROBASSO*

*O'SHEI*

Sincerely yours,

DONALD M. O'SHEI  
Colonel, CE  
District Engineer

*1 Incl*  
As stated

Copy furnished:

*DWR*, ATTN: R. Franson & Robert Potter

*OCE*

*SPD*

cc:

*Flood Control*

*Valley Res Ofc*

*Engr Div (Lev & Chan)*

*(Prog Dev Br)*

*F&A (Kalal)*

*Units 128,  
133, 134*

*Sample*



SUMMARY OF SACRAMENTO RIVER BANK PROTECTION PROJECT - <sup>SR</sup> PROTION OF UNIT 29  
SACRAMENTO RIVER LEFT BANK

<u>SITE MILE</u>	<u>STONE PROTECTION</u>	<u>L.F.</u>
114.8	18+50 to 30+40	1190
119.8	34+60 to 42+40	780
120.3	6+40 to 11+00	460
121.5	90+00 to 96+20	620
*121.7	73+20 to 83+50	1030
122.3	43+50 to 49+50	600
122.4	36+90 to 38+30	190
123.3	45+25 to 56+25	1100
125.0	34+00 to 40+40	640
125.6	5+00 to 8+50	350
128.6	48+60 to 60+10	1150
135.0	142+30 to 150+90	860
137.5	13+60 to 16+60	<u>300</u>

\* 50' Deleted at Downstream End of Site

10 AUG 77  
Units 128, 133, 134

C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

C  
O  
P  
Y

November 18, 1974

District Engineer  
Sacramento District  
U. S. Army Corps of Engineers  
650 Capitol Mall  
Sacramento, California

Refer to: 4130.20.306

Dear Sir:

At its regular meeting of November 8, 1974, The Reclamation Board formally accepted from the District Engineer the completed flood control work on a portion of Unit No. 26 of the Sacramento River Bank Protection Project. The flood control work was transferred to the State of California by your letter of October 30, 1974.

The flood control work consisted of selective clearing, levee bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Sites Miles 89.0, 89.8, and 93.7 Left Bank, Sacramento River, and also Sites Miles 84.3, 85.9, 93.1, 95.5, and 119.5 Right Bank, Sacramento River. The construction at Site Mile 93.7 included two recreation facilities which consist of concrete boat ramp, vehicle ramps and parking areas and also pedestrian ramps.

The work was constructed in a workmanlike manner and in conformance with Drawing No. 50-4-4777, Specification No. 4251, and Contract No. DACW 05-73-C-0059, insofar as could be determined visually.

Sincerely yours,

/s/ Roy L. McCuistion  
A. E. McCOLLAM  
Chief Engineer and  
General Manager

EXHIBIT F



SPKCO-0

30 October 1974  
18 Nov 1974

The Reclamation Board  
State of California  
1416 - 9th Street, Room 335  
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 22 October 1974, made for the purpose of transferring a portion of the Sacramento River Bank Protection work (Unit No. 26), to the State of California for operation and maintenance. This portion of flood control work consists of levee sloping and the placement of stone bank protection on the Sacramento River right bank at Site Miles 119.5, 95.5, 93.1, 85.9 and 84.3, and left bank at Site Miles 93.7, 89.8 and 89.0. Site Mile 93.7 includes two recreation facilities which consist of boat ramp, vehicle parking areas and pedestrian ramps. The sites, as listed on the inclosure, were completed on 22 October 1974 in accordance with Specification No. 4251, Contract No. DACW05-73-C-0039, Drawing No. 50-4-4777.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304(a), Title 10 and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 29 October 1974 to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to Unit Nos. 127, 128, 130 and 131 in Operation and Maintenance Manuals, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

F. G. ROCKWELL, JR.  
Colonel, CE  
District Engineer

✓ 1 Incl  
As stated

Copy furnished:  
✓ DDCE ATTN: John Wright  
✓ SPD

cc:  
✓ Engr (Lev-Chan)  
✓ Engr (Prog Dev)  
✓ Valley Res Ofc  
✓ F&A (Jones)

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

WAIT/ph/Redac

COLEMAN

HENSON

McKENNEY

ROCKWELL



SUMMARY OF PORTION OF SACRAMENTO  
RIVER BANK PROTECTION PROJECT UNIT # 26  
SACRAMENTO RIVER, RIGHT AND LEFT BANKS

RIGHT BANK

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L.F.</u>
119.5	6+50 to 12+00	550
95.5	16+00 to 35+50	1950
93.1	47+00 to 61+35	1435
85.9	0+00 to 7+55	755
84.3	6+50 to 12+00	550

LEFT BANK

93.7	25+00 to 30+60	560
89.80	0+00 to <u>3+78</u> 3+45 0+00	425 345
	0+00 to 0+50	
89.0	21+00 to <u>29+81</u> 0+00	
	0+00 to 5+75	1456
		<u>7684</u> 7601

Units 127,  
128, 130, 131

C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

C  
O  
P  
Y

July 9, 1974

District Engineer  
Sacramento District  
U. S. Army Corps of Engineers  
650 Capitol Mall  
Sacramento, California 95814

Refer to: 4130.20.306

Dear Sir:

The Reclamation Board at its regular meeting of June 28, 1974, formally accepted a portion of the completed flood control work on Unit No. 26 of the Sacramento River Bank Protection Project from the District Engineer for operation and maintenance. The flood control work was transferred to The Reclamation Board by your letter of June 20, 1974.

The flood control work consisted of selective clearing, levee bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Sites Miles 114.4, 118.4, 120.1, 134.7, 136.1, 142.7, 145.0, and 147.3 Left Bank, Sacramento River.

The flood control work was constructed in a workmanlike maner and in conformance with Drawing No. 50-4-4777, Specification No. 4251, and Contract No. DACW05-73-C-0059, insofar as could be determined visually.

Sincerely yours,

/s/ A. E. McCollam  
A. E. McCOLLAM  
Chief Engineer and  
General Manager



SPKCO-0

20 June 1974

The Reclamation Board  
State of California  
1416 - 9th Street, Room 335  
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 3 June 1974, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit No. 26), to the State of California for operation and maintenance. This portion of the flood control work consists of levee and bank sloping, and placement of stone bank protection on the Sacramento River left bank at Site Miles 114.4, 118.4, 120.1, 134.7, 136.1, 142.7, 145.0 and 147.3. The sites, as listed on the enclosure, were completed on 3 June 1974 in accordance with Specification No. 4251, Contract No. DACW05-73-C-0059, Drawing No. 50-4-4777.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304(a), Title 10 and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 20 June 1974 to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplements Nos. 128, 133, 134 and 136 Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

F. G. ROCKWELL, JR.  
Colonel, CE  
District Engineer

1 Incl  
As stated

Copy furnished:  
DWR, ATTN: JOHN WRIGHT

OCE  
SPD

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Valley Res Ofc  
F & A (Jones)

cc: Engr (Lev & Chan)  
Engr (Prog Dev)

ROMPALA/d  
Redac

COLEMAN  
HENSON

McKINSLEY

POTAMOS

ROCKWELL



SUMMARY OF PORTION OF SACRAMENTO RIVER  
BANK PROTECTION UNIT NO. 26  
SACRAMENTO RIVER LEFT BANK

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L.F.</u>
114.4	30+00 to 36+15	615
118.4	21+10 to 23+50	240
120.1	20+00 to 24+00	400
134.7	158+40 to 161+00	260
136.1	86+15 to 99+70	1355
142.7	10+00 to 13+65	365
145.0	3+70 to 11+00	730
147.3	36+00 to 44+30	830
		<u>4795</u>

Units 128, 133,  
134 + 136

Incl



C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

C  
O  
P  
Y

November 12, 1973

District Engineer  
Sacramento District  
U. S. Army Corps of Engineers  
650 Capitol Mall  
Sacramento, California 95814

Refer to: 4130.60.206

Dear Sir:

Reference is made to your letter of October 18, 1973, concerning the transfer of a portion of the Sacramento River Bank Protection Project, Unit No. 24, to the State of California for operation and maintenance.

The flood control work consisted of selective clearing, bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Site Miles 105.0, 103.0, 100.7, 86.6 and 85.5 all on the Left Bank, Sacramento River.

The flood control work has been completed and was constructed in a workman-like manner. This flood control work has been constructed in conformance with Drawing No. 50-4-4713, Specification No. 4169, and Contract No. DACW05-73-C-0038, insofar as could be determined visually.

The Reclamation Board at its regular meeting of November 9, 1973, formally accepted for operation and maintenance, the completed flood control work on the above referenced sites.

Sincerely yours,

/s/ A. E. McCollam  
A. E. McCOLLAM  
Chief Engineer and  
General Manager



SPKCO-0

18 October 1973



The Reclamation Board  
State of California  
1416 - 9th Street, Room 335  
Sacramento, California 95814

Gentlemen:

The purpose of this letter is to officially transfer a portion of the Sacramento River Bank Protection Project (Unit No. 24), to the State of California for operation and maintenance. This portion of flood control work consists of levees sloping and the placement of stone bank protection on the Sacramento River left bank at Site Miles 105.0, 103.0, 100.7, 86.6, 85.5. The sites as listed on the inclosure were completed on 15 October 1973, in accordance with Specification No. 4169, Contract No. DACW05-73-C-0038, Drawing No. 50-4-4713.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304(s), Title 10 and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 18 October 1973 to the State of California for operation and maintenance.

This portion of the project will be added by amendment to the Operation and Maintenance Manual, Supplement No. 128, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely,

1 Incl  
As stated

Copy furnished:  
DWR, ATTN: John Wright & Carl King  
OCE  
SPD

F. G. ROCKWELL, JR.  
Colonel, CE  
District Engineer

WAIT/jch/  
itel

COLEMAN

HENSON

MCKINSEY

POTAMOS

ROCKWELL

Unit 28

Copies to L/C  
& COURNE 24 OCT.

F & A

(Valley Res Ofc

Engrg (Prog Dev)

CC: Engrg (Lev & Chan)



SUMMARY OF PORTION OF SACRAMENTO RIVER  
BANK PROTECTION UNIT 24 SACRAMENTO RIVER

<u>Size Mile</u>	<u>Stone Protection</u>		<u>L.F.</u>
105.0	0+00	36+00	3600
103.0	41+00	50+00	900
100.7	3+00	14+00	1100
36.6	8+00	16+00	800
85.5	59+60	82+00	2240

*Incl*

*Unit 128*



C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

C  
O  
P  
Y

October 1, 1973

District Engineer  
Sacramento District  
U. S. Army Corps of Engineers  
650 Capitol Mall  
Sacramento, CA 95814

Refer to: 4130.60.305

Dear Sir:

Reference is made to your letter of September 25, 1973, concerning the transfer of a portion of the Sacramento River Bank Protection Project, Unit No. 22, to the State of California, for operation and maintenance.

The flood control work consisted of selective clearing, bank sloping, placement of stone bank protection, and such miscellaneous work as necessary to complete the construction at Site Miles 110.9, 118.6, and 123.9 all on the Left Bank, Sacramento River and 110.8, 123.3, 124.1, 126.5, and 128.0 all on the Right Bank, Sacramento River.

The flood control work has been completed and was constructed in a workmanlike manner. This flood control work has been constructed in conformance with Drawing No. 50-4-4586, Specification No. 3924, and Contract No. DACW05-72-C-0057, insofar as could be determined visually.

The work performed at Site Miles 123.3, 124.1 Right Bank and 123.9 Left Bank differed from your normal standards in that the rock revetment was terminated at Elevation 45.0 rather than at the top of the berm. It is the Reclamation Board's understanding, in accordance with Mr. Weddell's letter of November 29, 1972, that these sites are considered experimental and if found to be unsuccessful within a five (5) year period, the Corps of Engineers will complete the work to an acceptable standard.

The Reclamation Board, at its regular meeting of September 28, 1973, formally accepted for operation and maintenance the completed flood control work on the above referenced sites, based on the above understanding.

Sincerely yours,

/s/ Allan I. Wendroff  
A. E. McCOLLAM  
for Chief Engineer and General Manager

EXHIBIT F



25 September 1973

The Reclamation Board  
 State of California  
 1416 -- 9th Street, Room 335  
 Sacramento, California 95814

Gentlemen:

The purpose of this letter is to officially transfer a portion of the Sacramento River Bank Protection Project (Unit No. 22), to the State of California for operation and maintenance. This portion of flood control work consists of levee sloping and the placement of stone bank protection on the Sacramento River left bank at Site Miles 110.9, 113.6 and 123.9 and right bank at Site Miles 110.8, 123.3, 124.1, 126.5 and 128.0. The sites, as listed on the inclosure, were completed on 24 September 1973 in accordance with Specification No. 3924, Contract No. DACW05-72-C-0057, Drawing No. 58-4-4586.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304(a), Title 10 and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 25 September 1973 to the State of California for operation and maintenance.

This portion of the project will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 128, 130, 131, ~~132~~, and 134, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely,

1 Incl  
 As stated

F. C. ROCKWELL, JR.  
 Colonel, CE  
 District Engineer

Copy furnished:  
 DWR, ATTN: John Wright & Carl King  
 OCE  
 SPD

Valley Res Ofc  
 F & A (Jones)

cc: Engrg (lev & Chan)  
 Engrg (Prog Dev)

ROMPALA/dc  
 Redac

COLEMAN

HENSON

McKINSEY

POT

WELL

Units  
 128, 130, 131,  
 131

Copy to  
 Ldc - Estome  
 26 Sept



SUMMARY OF PORTION OF  
SACRAMENTO RIVER BANK PROTECTION  
UNIT NO. 22 SACRAMENTO RIVER

Left Bank

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L.F.</u>	<u>Stone Toe Wall</u>	<u>L.F.</u>
110.9	117+00 to 120+00	300		
118.6	12+00 to 18+50	650		
123.9	10+00 to 41+50	3150	10+40 to 16+50	610
		4100	17+50 to 24+50	700
			25+50 to 41+30	15+80

Right Bank

<u>Site Mile</u>	<u>Stone Protection</u>	<u>L.F.</u>	<u>Stone Toe Wall</u>	<u>L.F.</u>
110.8	7+10 to 14+00	690	7+46 to 14+00	654
123.3	11+00 to 34+00	2300	11+00 to 34+00	2300
124.1	3+00 to 12+00	900	3+00 to 4+50	150
			5+50 to 10+00	450
126.5	4+00 to 12+00	800		
128.0	11+00 to 15+00	400		
		5090		

Units 128, 130, 131, 134



C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

C  
O  
P  
Y

October 16, 1972

Colonel James C. Donovan, District Engineer  
Sacramento District  
U. S. Army Corps of Engineers  
650 Capitol Mall  
Sacramento, CA 95814

Refer to: 4130.60.205

Dear Colonel Donovan:

Reference is made to your letter of September 21, 1972, concerning the transfer to the State of California, for maintenance and operation, a portion of the Sacramento River Bank Protection Project, Unit No. 20.

The flood control work consisting of bank sloping and the placement of stone bank protection at Site Miles 102.2 and 111.3 Left Bank Sacramento River has been completed and was constructed in a workmanlike manner. This work has been constructed in conformance with Drawing No. 50-4-4381, Specification No. 3459 and Contract No. DACW05-71-C-0051, insofar as could be determined visually.

The following sites were inspected on December 8, 1971, transferred to the State of California by Corps of Engineers' letter of December 27, 1971, and accepted by the Reclamation Board at its regular meeting of January 14, 1972. The above formalities excluded the five irrigation pumping plants to be reconstructed within the limits of the following bank protection sites:

Site Mile 93.2 Left Bank, Stations 37+25 and 46+85  
Site Mile 94.7 Left Bank, Station 45+92  
Site Mile 102.7 Left Bank, Station 20+10  
Site Mile 96.8 Right Bank, Station 8+56

The inspection of September 6, 1972, included these sites to ascertain that the reconstruction of the five pumping plants did not impair the bank protection work accepted by the Reclamation Board at its meeting of January 14, 1972. The work previously accepted appeared to be in satisfactory condition.

The reconstruction work on five irrigation pumping plants has been completed and each pump was reconstructed in a workmanlike manner. Insofar as could be determined visually, they are in conformance with Drawing No. 50-4-4381, Specification No. 3459, Contract No. DACW05-71-C-0051, as amended by Change Order No. 72-C-0057-1, Contract No. DACW05-72-C-0057, Specification No. 3924.

The Reclamation Board at its regular meeting of October 13, 1972, formally accepted the completed work on the above-referenced sites from the District Engineer for operation and maintenance.

Sincerely yours,

/s/ A. E. McCollam  
A. E. McCOLLAM  
Chief Engineer and General Manager EXHIBIT F



SPKCO-0

21 September 1972

The Reclamation Board  
State of California  
1416 - 9th Street, Room 1335  
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 6 September 1972 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit No. 20), to the State of California for operation and maintenance.

The flood control work consisting of bank sloping and placement of approximately 700 feet and 920 feet of stone bank protection on the Sacramento River left bank at site miles 102.2 and 111.3, respectively, and five pumps at site miles 93.2 left, 94.7 left, 102.7 left and 96.8 right. The work was completed on 6 September 1972, in accordance with Specification No. 3459, Contract No. DACW05-71-C-0051, and Drawing No. 50-4-4381.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd session and Section 2304(A), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 21 September 1972, to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operations and Maintenance Manual, Supplements No. 128 and No. 130. Copies will be furnished your office at a later date.

Sincerely yours,

JAMES C. DONOVAN  
Colonel, CE  
District Engineer

Copy furnished:  
BWR, ATTN: John Wright, Carl King

HQDA (DAEN-CWO)  
SPD

ROMPALA/

COLEMAN

HENSON

MCKINSEY

LORD

DONOVAN

F & A Br (Jones)  
Valley Res Ofc

cc: Engr (Lev & Chan)  
(Prog Dev)

*Note: pump sites at one mile site*

*Units 128, 130*

*Copies to Colonel Huber  
25/9/72*



C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

C  
O  
P  
Y

17 January 1972

District Engineer  
Corps of Engineers  
U. S. Army  
650 Capitol Mall  
Sacramento, California 95814

Refer to : 4130.60.205

Dear Sir:

Reference is made to your letter of December 27, 1971, concerning the transfer of a portion of the Sacramento River Bank Protection Project, Unit No. 20, to the State of California for operation and maintenance.

The flood control work completed at Site Miles 93.2, 94.7, 97.6, 102.7 Left Bank and Site Miles 81.0, 84.6, 89.3, 96.8, 101.4 Right Bank of the Sacramento River was constructed in accordance with Drawing No. 50-4-4381, Specification No. 3459, and Contract No. DACW05-71-C-0051, with the exception of the reinstallation of the irrigation pumping plants located at Site Mile 93.2, Stations 37+75 and 46+85, Site Mile 94.7, Station 45+92, Site Mile 102.7, Station 20+10 all on the Left Bank, and Site Mile 96.8, Station 8+56, on the Right Bank.

The Reclamation Board, at its regular meeting of January 14, 1972, formally accepted the completed portions of work on the above-referenced sites from the District Engineer for operation and maintenance. The work accepted consists of levee enlargement, rock toe wall and stone bank protection. Not accepted were the five irrigation pumping plants located at the above-referenced sites and stations. Reinstallation of the pumps is still in progress and the above-noted pump sites will be accepted upon satisfactory completion of this work.

The Reclamation Board, at the same meeting, transferred the completed portions of work on the above-referenced sites to the following maintaining agencies for operation and maintenance:

Reclamation District No. 1500

Site Miles 93.2, 94.7, 97.6 and 102.7 Left Bank, Sacramento River

Reclamation District No. 1600

Site Mile 81.0 Right Bank, Sacramento River

Sacramento River West Side Levee District

Site Miles 96.8 and 101.4 Right Bank, Sacramento River

State Maintenance Area No. 6 (DWR)

Site Miles 84.6 and 89.3 Right Bank, Sacramento River.

Sincerely yours,

/s/ A. E. McCollam  
A. E. McCOLLAM  
Chief Engineer and General Manager

EXHIBIT F

C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

C  
O  
P  
Y

December 31, 1971

District Engineer  
Corps of Engineers  
U. S. Army  
650 Capitol Mall  
Sacramento, California 95814

Refer to: 4130.60.304

Dear Sir:

Reference is made to Unit No. 17 of the Sacramento River Bank Protection Project, with special reference to the transferring of a portion of the above project to the State of California for operation and maintenance.

The completed work on Unit No. 17 was constructed in accordance with Specification No. 3406, Contract No. DACW05-70-C-0049, Drawing No. 50-4-4339.

The Reclamation Board at its regular meeting of December 17, 1971, formally accepted from the District Engineer the above-referenced project for operation and maintenance. At the same meeting the Reclamation Board transferred the following sites to the maintaining agencies for operation and maintenance.

Sacramento River West Side Levee District

Site Miles 112.3, 121.1, 123.1, 124.7, 125.1, 127.1, 130.7,  
132.7, 141.7 and 142.6 Right Bank Sacramento River

Reclamation District No. 70

Site Mile 126.0 Left Bank Sacramento River

District Engineer

-2-

December 31, 1971

Reclamation District No. 1500

Site Miles 116.4 and 117.3 Left Bank Sacramento River

Statutory Maintenance Area (DWR)

Site Mile 138.5 Left Bank Sacramento River

Sincerely yours,

/s/ A. E. McCollam  
A. E. McCOLLAM  
Chief Engineer and General Manager



27 December 1971

The Reclamation Board  
State of California  
1416 - 9th Street, Room 1335  
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 8 December 1971 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit No. 20), to the State of California for operation and maintenance.

The flood control work consists of bank sloping, placement of stone bank protection and levee enlargement on the Sacramento River left bank at Site Miles 93.2, 94.7, 97.6 and 102.7, and right bank at Site Miles 81.0, 84.6, 89.3, 96.8 and 101.4. The work was completed on 8 December 1971 with the exception of the installation of pumps at Site Miles 93.2 left, 94.7 left, 102.7 left, and 96.8 right, in accordance with Specification No. 3459, Contract No. DACW05-71-C-0051, and Drawing No. 50-4-4381.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304(a), Title 10, and now meets the requirements of the Sacramento River Bank Protection project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 27 December 1971, to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operations and Maintenance Manual, Supplements Nos. 123, 127, 128 and 130. Copies will be furnished your office at a later date.

Sincerely yours,

JAMES R. HIGMAN  
Lieutenant Colonel, CE  
Acting District Engineer

1 Incl  
Summary

Copy furnished:  
DWR, J. Wright & C. King  
HQDA (DAEN-CWO); SPD

ROMPALA/jmc  
itl

COLEMAN

HENSON

HART

HIGMAN

Valley Res Ofc

F & A (Jones)

Engr(Prog Dev)

cc: Engr(Lev&Channs)

Units 123, 127, 128, 130



# SUMMARY OF PORTION OF SACRAMENTO RIVER BANK PROTECTION PROJECT

UNIT NO. 20, SACRAMENTO RIVER

## RIGHT BANK:

<u>SITE MILE</u>	<u>STONE PROTECTION</u>	<u>L.F.</u>	<u>STONE TOEWALL</u>	<u>L.F.</u>	<u>LEVEE ENLARGEMENT</u>	<u>L.F.</u>
101.4	0+00 to 15+00	1500			10+00 to 13+00	300
96.8	4+00 to 9+65	565				
89.3	3+00 to 17+72	1472				
84.6	0+00 to 1+00 )		0+00 to 1+00 )			
	19+56 to 30+91)	1235	29+25 to 30+91)	266		
			20+50 to 27+00	650		
81.0	19+00 to 20+09 Bk )					
	20+00AH to 34+93 )	1702				
	0+00 to 1+00 )					

6474

## LEFT BANK:

102.7	1+00 to 3+09 Bk )	
	3+10AH to 22+89 )	2188
97.6	38+00 to 49+00	1100
94.7	27+40 to 60+00	3260
93.2	30+00 to 55+85	2585

9133

Total 15607

Units 123, 127, 128, 130



30 November 1971

The Reclamation Board  
State of California  
1416 - 9th Street, Room 1335  
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 23 November 1971, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit #17), to the State of California for operation and maintenance.

The flood control work consists of bank sloping, placement of stone bank protection and levee enlargement on the Sacramento River left bank at Site Miles 116.4, 126.0 & 138.5 and right bank at Site Miles 112.3, 121.1, 123.1, 124.7, 125.1, 127.1, 130.7, 132.7, 141.7 & 142.6. A list covering the completed work is inclosed. The work was completed on 23 November 1971 in accordance with Specification No. 3406, Contract No. DACWC5-70-C-0049, Drawing No. 50-4-4339.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304(a), Title 10 and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 23 November 1971, to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplements Nos. 128, 130, 131, 134 & 136, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

JAMES C. DONOVAN  
Colonel, CE  
District Engineer

1 Incl  
as stated

Copy furnished:  
DWR, ATTN: John Wright

DAEN-CWO  
SPD

cc: Engr-Lev&Chan; Engr-Prog Dev; Valley; F&A(Jones)

ROMPALA/p

COLEMAN

HENSON

DONOVAN

Units 128, 130,  
131, 134, 136

Copies to Goodnight, Osburn & Huber 20 Nov 71



SUMMARY OF PORTION OF SACRAMENTO RIVER BANK PROTECTION PROJECT, UNIT 17,  
SACRAMENTO RIVER

RIGHT BANK:

<u>SITE MILE</u>	<u>STONE PROTECTION</u>	<u>L.F.</u>	<u>STONE TOEWALL</u>	<u>L.F.</u>	<u>LEVEE ENLARGEMENT</u>	<u>L.F.</u>
112.3	17+00 to 23+00	600	20+60 to 23+00	240		
121.1	0+00 to 7+00	700				
123.1	0+00 to 11+13	1113	0+00 to 1+22	122		
124.7	35+00 to 50+50	1550	47+75 to 49+00	125		
125.1	20+62 to 27+00	638	21+00 to 27+22	600		
127.1	2+00 to 5+50	350				
130.7	9+00 to 12+52	352	10+85 to 12+52	167		
132.7	0+00 to 23+00	2300	3+68 to 5+75	207	0+00 to 23+00	2300
141.7	85+00 to 95+35	1035	93+30 to 95+35	205		
142.6	40+70 to 52+82	1212	42+35 to 50+75	840		

LEFT BANK:

116.4	65+15 to 74+94	979				
126.0	0+00 to 5+80	580	1+27 to 3+48	221	3+00 to 5+80	280
138.5	107+72 to 118+00	1028			107+00 to 117+00	1000

9850

2587

Total 12,437

Units 12, 8, 130, 131,  
134, 136

C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

C  
O  
P  
Y

January 26, 1971

File No: 4130.60.204  
Your Contract 70-C-0008

District Engineer  
U. S. Army Corps of Engineers  
650 Capitol Mall  
Sacramento, California 95814

Dear Sir:

Reference is made to your letter of January 15, 1971, concerning transfer to the State of California of a portion of the Sacramento River Bank Protection Project, Unit No. 16, for maintenance and operation. The transferred sites were as follows:

<u>Agency</u>	<u>Site Mile</u>
R.D. No. 1500	111.8 Left Bank 115.5 Left Bank
Levee District No. 2 (Glenn County)	165.1 Right Bank

This work was constructed in conformance with specification No. 3390, Contract No. DACW-70-C-0008, Drawing No. 50-4-4310 and completes the work to be done on Unit No. 16.

The Reclamation Board at its meeting of January 22, 1971, formally accepted the above-referred to work for operation and maintenance.

Sincerely yours,

/s/ A. E. McCollam  
A. E. McCOLLAM  
Chief Engineer and  
General Manager

EXHIBIT F



18 January 1971

The Reclamation Board  
State of California  
1416 - 9th Street, Room 1335  
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 14 January 1971, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit #16), to the State of California for operation and maintenance.

The flood control work consists of bank sloping and placement of stone bank protection on the Sacramento River left bank at Site Miles 115.5 and 111.8, and right bank at Site Mile 165.1. A list covering the completed work is inclosed. The work was completed on 26 November 1970, in accordance with Specification No. 3390, Contract No. PACWD5-70-C-0008, Drawing No. 50-4-4310.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304(a), Title 10 and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 14 January 1971 to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. ~~130~~ and ~~131~~, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

1 Incl (in dupe)  
as stated

Copy furnished:  
BWR, ATTN: John Wright

JAMES C. DONOVAN  
Colonel, CE  
District Engineer

WAIT/ffs

COLEMAN

HENSON

DONOVAN

OCE  
SPD

to A. Huber 20 Jan 71

cc: Engr-Lev & Chan  
Engr-Prog Dev  
Valley  
F & A (Cordano)

Units  
128/139



C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

C  
O  
P  
Y

December 17, 1970

File No: 4130.60.304  
Your contract 70-C-0049

District Engineer  
U. S. Army Corps of Engineers  
650 Capitol Mall  
Sacramento, California 95814

Dear Sir:

Reference is made to your letter of November 16, 1970, concerning transfer to the State of California of a portion of the Sacramento River Bank Protection Project (Unit No. 17) for maintenance and operation. The transferred sites were as follows:

Sacramento River

Mile 114.3, Left Bank  
Mile 117.7, Left Bank  
Mile 123.0, Left Bank  
Mile 125.3, Left Bank  
Mile 136.6, Left Bank  
Mile 140.5, Left Bank

This work was constructed in conformance with specification No. 3406, Contract No. DACW05-70-C-0049, Drawing No. 50-4-4339 and the work to be done on Sacramento River, Left Bank.

The Reclamation Board at its meeting of December 3, 1970, formally accepted the above-referred to work for operation and maintenance.

Sincerely yours,

/s/ A. E. McCollam  
A. E. MCCOLLAM  
Chief Engineer and General Manager

EXHIBIT F



SPKCO-0

16 November 1970

The Reclamation Board  
State of California  
1416 - 9th Street, Room 1335  
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 23 September 1970 made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit #17) to the State of California for operation and maintenance.

The flood control work consisting of levee setback, bank sloping and placement of stone bank protection on the Sacramento River left bank at Site Miles 114.3, 117.3, 117.7, 123.0, 125.3, 136.6 & 140.5, is listed on the inclosure. The work was completed on 4 November 1970 in accordance with Specification No. 3406, Contract No. DACW057D-C-0049, Drawing No. 50-4-4339.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304(a), Title 10 and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 4 November 1970 to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplements Nos. 128 & 134, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

1 Incl (in dupe)  
as stated

JAMES C. DONOVAN  
Colonel, CE  
District Engineer

Copy furnished:  
DWR, ATTN: John Wright  
OCK  
SPD

cc: Engr Div-Lev&Chan; Engr Div-Prog Dev;  
Valley; & F&A (Cordano)

ROMPALA/p

COLEMAN

HENSON

HART

DONOVAN

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

28 NOV 70



70-10

SUMMARY OF SACRAMENTO RIVER BANK PROTECTION  
PORTION OF UNIT #17, SACRAMENTO RIVER LEFT BANK

<u>SITE MILE</u>	<u>LEVEE SETBACK STATION</u>	<u>L.F.</u>	<u>STONE PROTECTION STATION</u>	<u>L.F.</u>	<u>STONE TOE WALL STATION</u>	<u>L.F.</u>
114.3			36+00 to 46+50	1050	41+35 to 41+64	29
117.3			16+50 to 31+00	1450		
117.7			0+00 to 10+49	1049	0+00 to 0+80	80
			0+00A to 4+00A	400		
123.0			0+00 to 3+25	325	0+00 to 1+80	180
					2+75 to 3+25	50
125.3	17+00 to 34+00	1700	17+40 to 32+67	1527		
136.6			50+02 to 61+50	1148	50+02 to 53+00	298
140.5			15+12 to 22+00	688		

Unit 128, 134

C  
O  
P  
Y

DEPARTMENT OF WATER RESOURCES  
STATE OF CALIFORNIA

C  
O  
P  
Y

October 2, 1970

District Engineer  
U. S. Army Corps of Engineers  
650 Capitol Mall  
Sacramento, California 95814

Subject: 4130.60.204  
Your Contract 70-C-0008  
Sacramento River Bank Protection  
Project, Unit No. 16

Dear Sir:

Reference is made to the precompletion inspection of a portion of the above referenced project made on September 23, 1970.

The work sites inspected were as follows:

Site Mile 61.0, Left Bank, Sacramento River  
Site Mile 70.4, Right Bank, Sacramento River  
Site Mile 71.5, Right Bank, Sacramento River  
Site Mile 71.9, Right Bank, Sacramento River  
Site Mile 77.0, Right Bank, Sacramento River  
Site Mile 77.85, Right Bank, Sacramento River  
Site Mile 84.5, Right Bank, Sacramento River  
Site Mile 96.8, Right Bank, Sacramento River  
Site Mile 83.45, Left Bank, Sacramento River  
Site Mile 89.6, Left Bank, Sacramento River  
Site Mile 95.4, Left Bank, Sacramento River  
Site Mile 95.6, Left Bank, Sacramento River

The work appeared to be completed in an acceptable manner and, insofar as could be determined visually, in conformance with the plans and specifications for the project. No deficiencies were noted.

Sincerely yours,

/s/ Clyde E. Shields  
Clyde E. Shields, Chief  
Construction Branch  
Division of Design and Construction

EXHIBIT F



SPKCO-0

28 September 1970

The Reclamation Board  
State of California  
1416 - 9th Street, Room 1335  
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 23 September 1970, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit #16), to the State of California for operation and maintenance.

83.45 The flood control work consists of levee setback, bank sloping and placement of stone bank protection on the Sacramento River left bank at Site Miles 61.0, 89.6, 95.4 & 95.6, and right bank at Site Miles 70.4, 71.5, 71.9, 77.0, 77.85, ~~82.45~~, 84.5 & 96.8. A list covering the completed work is inclosed. The work was completed on 23 September 1970 in accordance with Specification No. 3390, Contract No. DACW05-70-C-0008, Drawing No. 50-4-4310.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session and Section 2304(a), Title 10 and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work together with the waterway banks contiguous thereto, is transferred as of 23 September 1970 to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplements Nos. 122, 123, 124, 127, 128 & 130, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

1 Incl (in dupe)  
as stated

Copy furnished:  
DWR, ATTN: John Wright

OCE  
SPD

JAMES H. HIGMAN  
Lieutenant Colonel, CE  
Acting District Engineer

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

cc: Engr-Lev&Chan; Engr-Prog Dev; Valley; F&A(Cordano)

WAIT/pp

COLEMAN

NENSON

HART

HIGMAN



## SUMMARY OF SACRAMENTO RIVER BANK PROTECTION PROJECT - UNIT 16, SACRAMENTO

LEFT BANK

<u>SITE MILE</u>	<u>LEVEE SETBACK STATION</u>	<u>L.F.</u>	<u>STONE PROTECTION STATION</u>	<u>L.F.</u>	<u>STONE TOE WALL STATION</u>	<u>L.F.</u>
61.0			34+00 to 43+00	900	34+00 to 35+40	140
89.6			0+00 to 5+00	500		
95.4			10+00 to 18+00	800		
95.6			0+00 to 6+57	657		

83.45

RIGHT BANK

70.4			-0+25 to 1+00	125	-0+25 to 1+00	125
71.5			45+00 to 64+00	1900	51+80 to 52+20	40
					59+30 to 60+83	153
71.9			34+00 to 41+00	700		
77.0			166+00 to 172+00	600		
77.85			130+00 to 133+00	300		
83.45			491+61 to 481+93	968		
84.5			0+00 to 7+45	745	1+78 to 5+90	312
96.8	9+00 to 16+00	700	9+00 to 15+00	600		

Units 122, 123, 124,  
127, 128, 130

C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

C  
O  
P  
Y

January 27, 1970

District Engineer  
Corps of Engineers  
U. S. Army  
650 Capitol Mall  
Sacramento, California 95814

Refer to: 4130.60.204

Dear Sir:

Reference is made to your letter of January 8, 1970 concerning transfer to the State of California of a portion of the Sacramento River Bank Protection Project, Unit No. 16, consisting of Sites Mile 93.8, 98.4 and 103.5, left bank, and Sites Mile 92.9, 105.7, and 114.1, right bank, Sacramento River for maintenance and operation.

This work was constructed in accordance with Specification No. 3390, Contract No. DACW05-70-C-0008, Drawing No. 50-4-4310.

The Reclamation Board, at its meeting of January 23, 1970, formally accepted the above-referred to work for operation and maintenance with the stipulation that rainwash erosion occurring on Sites Mile 93.8, 98.4 and 103.5 left bank be repaired and the slopes and berm be reseeded in the spring of 1970.

Sincerely yours,

/s/ A. E. McDollam  
A. E. McCOLLAM  
Chief Engineer and  
General Manager

EXHIBIT F



3 January 1970

The Reclamation Board  
State of California  
1416 - 9th Street, Room 1335  
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 6 January 1970, made for the purpose of transferring a portion of the Sacramento River Bank Protection Project Work (Unit #16), to the State of California for operation and maintenance.

The flood control work consists of levee setback, levee enlargement, bank sloping and placement of stone bank protection on the Sacramento River left bank at Site Miles 93.8, 98.4 & 103.5 and right bank at Site Miles 92.9, 105.7 and 114.1. A list covering the completed work is inclosed. The work was completed on 6 January 1970 in accordance with Specification #3390, Contract No. DACW05-70-C-0008, Drawing No. 50-4-4310.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session, and Section 2304(a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work, together with the waterway banks contiguous thereto, is transferred to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplements No. 128 & 130, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

1 Incl (in dupe)  
as stated

GEORGE B. FINK  
Colonel, CE  
District Engineer

Copy furnished:  
DWR, Attn: John Wright

O.C.E.  
S.P.D.

cc: Engr-Lev&Chan; Engr-Prog Dev;  
Valley; F&A (Cordano)

ROMPALA/P

COLEMAN

HENSON

HART

FINK

*Unit 128, 130*



SUMMARY OF SACRAMENTO RIVER BANK PROTECTION PROJECT  
PORTION OF UNIT 16 SACRAMENTO RIVER

<u>Right Bank</u>						
SITE MILE	LEVEE SETBACK STATION	L.F.	LEVEE ENLARGEMENT STATION	L.F.	STONE PROTECTION STATION	L.F.
92.9					0.00 to 4+60	460
105.7	0+00 to 18+75) 20+00 to 35+00)	---3375			0+00 to 34+00	3400
114.1			6+50 to 15+22	872	0+00 to 15+22	1522

5382

<u>Left Bank</u>						
93.8					0+00 to 14+75	1475
98.4					0+00 to 22+50	2250
103.5					-5+00 to 4+25	925

2810

Unit 128, 130

C  
O  
P  
Y

C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

DEC 23 1968

4130.60.203

District Engineer  
Corps of Engineers  
U. S. Army  
650 Capitol Mall  
Sacramento, California 95814

Dear Sir:

Reference is made to your letter of November 5, 1968 concerning transfer to the State of California of a portion of the Sacramento River Bank Protection Project, Unit No. 12, consisting of Sites Mile 100.9, 100.3, 95.3, 89.2 and 87.0, right bank, Sacramento River and Sites Mile 88.7 and 61.5, left bank, Sacramento River for maintenance and operation.

This work was constructed in accordance with Specification No. 3288, Contract No. DACW05-68-C-0014, Drawing No. 50-4-4078.

The Reclamation Board, at its meeting of December 20, 1968, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

/s/ A. E. McCOLLAM  
A. E. McCOLLAM  
Chief Engineer and  
General Manager

EXHIBIT F



SPKCO-0

5 November 1968

The Reclamation Board  
State of California  
1416 - 9th Street, Room 1335  
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 4 November 1968, made for the purpose of transferring a portion of the Sacramento River Bank Protection Work (Unit #12), to the State of California for operation and maintenance.

The flood control work, consisting of levee enlargement, bank sloping, levee setback and placement of stone bank protection on the Sacramento River at Site Miles 100.9, 100.3, 95.3, 89.2 and 87.0, right bank; and Site Miles 88.7 and 61.5, left bank, is listed on the attached inclosure. The work was completed on 4 November 1968, in accordance with Specification No. 3288, Contract No. DACW05-68-C-0014, Drawing No. 50-4-4078.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session; and Section 2304(a), Title 10, and now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said work, together with the waterway banks contiguous thereto, is transferred to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement Nos. 124, 127, 128 & 130, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

CRAWFORD YOUNG  
Colonel, CE  
District Engineer

✓ 1 Incl  
as stated

✓ Copy furnished:

DWR  
OCE & SPD

cc: Engr-Lev&Chan; Engr-Prog Dev; F&A(Cordano); Valley Area Ofc

ROMPAIA/p

COLEMAN

McB  
HENSEN

YOUNG  
7



SUMMARY OF SACRAMENTO RIVER BANK PROTECTION PROJECT  
PORTION OF UNIT #12

SACRAMENTO RIVER RIGHT BANK:									
LEVER UNIT SITE MILE	LEEVE SETBACK STATION		L.F.	STONE PROTECTION STATION		L.F.	STONE TOE WALL STATION		L.F.
100.9	5+00	20+00	1500	3+00	20+00	1700	3+00 13+50	4+40 14+60	140 110
100.3				0+00	7+00	700			
95.3	5+00	16+00	1100	3+00	17+30	1430			
89.2	4+08	25+00	2092	0+00	25+00	2500			
87.0	2+00BK 0+00AH	7+00BK 2+00AH	500 200	3+00BK 0+00AH	7+00BK 2+00AH	400 200			
						4930			
				SACRAMENTO RIVER LEFT BANK:					
88.7	13+00	19+75	675	5+00	19+00	1400			
61.5				3+83	11+20	737	4+53 8+55	5+25 11+20	72 265

08/18/21  
12/21/21  
12/21/21  
12/21/21  
12/21/21

4930

2137



C  
O  
P  
Y

THE RECLAMATION BOARD  
STATE OF CALIFORNIA

C  
O  
P  
Y

January 23, 1968

4130.60.203

District Engineer  
Corps of Engineers  
U.S. Army  
650 Capitol Mall  
Sacramento, California 95814

Dear Sir:

Reference is made to your letter of January 10, 1968 concerning transfer to the State of California of the Sacramento River Bank Protection Project, Unit No. 12, Site Mile 91.6, left bank, in accordance with Specification No. 3288.

The Reclamation Board, at its meeting of January 19, 1968, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

/s/ A. E. McCOLLAM  
A. E. McCollam  
Chief Engineer and  
General Manager

EXHIBIT F

10 January 1968

SPKGO-F

The Reclamation Board  
State of California  
1416 - 9th Street, Room 1335  
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 8 January 1968, made for the purpose of transferring a portion of the Sacramento River Bank Protection work (Unit #12), to the State of California for operation and maintenance.

The flood control work consists of levee and bank sloping and placement of 2930 feet of stone bank protection on the Sacramento River left bank at Site Mile 91.6. The work was completed on 8 January 1968, in accordance with Specification No. 3288, Contract No. DACW05-68-C-0014, Drawing No. 50-4-4078.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session; and Section 2304(a), Title 10.

The flood control work now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said flood control work, together with the waterway banks contiguous thereto, are transferred to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the operation and maintenance manual, Supplement No. 128, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

CRAWFORD YOUNG  
Colonel, CE  
District Engineer

✓ Copy furnished:  
Dept Water Resources

✓ O.C.E.  
S.P.D.

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

cc: Engr-Lev&Chan; Engr-ProgDev; Valley; F&A(Cordano)

OK  
R/MPAIA/P

COLEMAN

HEMSON

YOUNG



## THE RECLAMATION BOARD

ROOM 1335, RESOURCES BUILDING, 1416 9TH STREET • SACRAMENTO 95814

STANLEY W. KRONICK, *President*  
J. J. MADIGAN, *Vice President*  
WALLACE McCORMACK, *Secretary*  
GEORGE W. NICKEL, JR.  
HAROLD J. O'BANION  
H. TERRILL SARTAIN  
DONALD L. WEILER  
COL. A. E. McCOLLAM, *General Manager*

FEB 20 1967

Refer to: 4130.60.301

District Engineer  
Corps of Engineers  
U. S. Army  
650 Capitol Mall  
Sacramento, California

Dear Sir:

Reference is made to your letter of October 26, 1965 concerning transfer to the State of California of the Sacramento River Bank Protection Project, Unit No. 4, Sites Mile 142.65, 118.70, 112.30 (3 sites), right bank and 142.95, 130.22, 128.80, 126.80, 125.15, 117.95, 113.30, left bank, in accordance with Specification No. 3024.

The Reclamation Board, at its meeting of February 16, 1967, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

*A. E. McCollam*

A. E. McCOLLAM  
General Manager

JHMacC:pa

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Units 128, 130, 131, 133,  
134, 136  
COPIES TO ENQ & VANCY.  
7 MAR 67 JK.



## THE RECLAMATION BOARD

ROOM 1335, RESOURCES BUILDING, 1416 9TH STREET • SACRAMENTO 95814

STANLEY W. KRONICK, *President*J. J. MADIGAN, *Vice President*WALLACE McCORMACK, *Secretary*

GEORGE W. NICKEL, JR.

HAROLD J. O'BANION

H. TERRILL SARTAIN

DONALD L. WEILER

COL. A. E. McCOLLAM, *General Manager*

DEC 9 1966

Refer to: 4130.60.302

Contract No. 66-50

District Engineer  
Corps of Engineers  
U. S. Army  
650 Capitol Mall  
Sacramento, California

Dear Sir:

Reference is made to your letter of November 23, 1966 concerning transfer to the State of California of the Sacramento River Bank Protection Project, Unit No. 8, Sites Mile 112.6, 114.2, 114.8, 117.5, 124.3 and 137.8, left bank, in accordance with Specification No. 3154.

The Reclamation Board, at its meeting of December 1, 1966, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

*A. E. McCollam*  
A. E. McCOLLAM  
General Manager

JHMacC:pa

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

*Units 128, 134*

①  
C  
O  
P  
Y

SPKKO-F

C  
O  
P  
Y

23 November 1966

The Reclamation Board  
State of California  
1416 - 9th Street, Room 1335  
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection of 18 November 1966, made for the purpose of transferring a portion of the Sacramento River Bank Protection work, upon completion, to the State of California for operation and maintenance.

The flood control work consisting of bank sloping, levee setback and placement of bank protection on Sacramento River left bank at Site Miles 112.6, 114.2, 114.8, 117.5, 124.3 and 137.8, as listed on the attached inclosure, was completed on 18 November 1966. The work was done in accordance with Specification No. 3154, Contract No. DA-04-167-CIVENG-66-50, Drawing No. 50-4-4004.

The work was performed under the general authority of the Flood Control Act of 1960, 86th Congress, 2nd Session; and Section 2304(a), Title 10.

The flood control work as described on the attached inclosure now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said flood control work together with the waterway banks contiguous thereto, are transferred to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplements Nos. 128 & 134, Sacramento River Flood Control Project. Copies will be furnished your office at a later date.

Sincerely yours,

CRAWFORD YOUNG  
Colonel, CE  
District Engineer

EXHIBIT F

①

SUMMARY OF SACRAMENTO RIVER BANK PROTECTION PROJECT  
SACRAMENTO RIVER LEFT BANK

<u>LEVEE UNIT SITE MILE</u>	<u>BANK SLOPING</u>	<u>LINEAL FEET</u>	<u>STONE PROTECTION</u>	<u>LINEAL FEET</u>	<u>LEVEE SETBACK</u>	<u>LINEAL FEET</u>
112.6	25+00to44+00	1900	25+00to44+00	1900		
114.2	46+50to49+00	250	46+50to49+00	250		
114.8	11+50to19+00	750	11+50to19+00	750		
117.5			3+00to17+50	1450	2+00to18+00	1600
124.3	0+00to11+00	1100	0+00to11+00	1100		
137.8	0+15to3+00	285	0+15to3+00	285		

EXHIBIT F



THE RECLAMATION BOARD  
STATE OF CALIFORNIA

9 November 1965

Refer to: 7001.60.201  
4130.60.201

District Engineer  
Corps of Engineers  
U. S. Army  
P. O. Box 1739  
Sacramento, California - 95808

Dear Sir:

Reference is made to your letter of 21 October 1964, concerning transfer to the State of California of levee enlargement, levee setback, shaping and placement of bank protection at 11 sites from Boyers Bend to Monument Bend, Specification No. 2958, Contract No. 3.

The Reclamation Board, at its meeting of November 5, 1964, formally accepted the above referred to work for operation and maintenance.

Sincerely yours,

/s/ A. E. McCOLLAM  
A. E. McCOLLAM  
General Manager

C  
O  
P  
Y

SPKKO-F

26 October 1965

C  
O  
P  
Y

The Reclamation Board  
State of California  
1416 Ninth Street, Room 1335  
Sacramento, California

Gentlemen:

Reference is made to the joint inspection made on 22 & 23 September 1965, of flood control work pertaining to the Sacramento River Bank Protection Project for the purpose of transferring this work, upon completion, to the State of California for operation and maintenance.

The flood control work, designated as Contract No. 4, consisting of levee enlargement, levee setback, shaping and placement of bank protection at 11 locations from Colusa to Boyers Bend right and left banks as listed on the attached inclosure, was completed on 20 October 1965, in accordance with Specification No. 3024, Contract No. DA-04-167-CIVENG-65-15 and Drawing No. 50-4-3754.

The flood control work as described on the attached inclosure, now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said flood control works, together with the waterway banks contiguous thereto are transferred to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operation and Maintenance Manual, Supplement No. 128, 130, 131, 133, 134 and 136, Sacramento River Flood Control Project, and furnished your office at a later date.

Sincerely yours,

ROBERT E. MATHE  
Colonel, CE  
District Engineer

EXHIBIT F



SPKIO-F

21 OCT 1964

The Reclamation Board  
State of California  
1416 - 9th Street, Room 1335  
Sacramento, California 95814

Gentlemen:

Reference is made to the joint inspection made on 16 October 1964, of flood control work pertaining to the Sacramento River Bank Protection Project for the purpose of transferring this work, upon completion, to the State of California for operation and maintenance.

The flood control work, designated as Contract No. 3, consisting of levee enlargement, levee setback, shaping and placement of bank protection at 11 locations from Boyers Bend to Monument Bend as listed on the attached inclosure, was completed on 16 October 1964, in accordance with Specification No. 2958, Contract No. DA-04-167-CIVENG-64-71 and Drawing No. 50-4-3742.

The flood control work as described on the attached inclosure now meets the requirements of the Sacramento River Bank Protection Project. Therefore, said flood control works, together with the waterway banks contiguous thereto are transferred to the State of California for operation and maintenance.

This portion of the project work will be added by amendment to the Operations and Maintenance Manual, Supplement Nos. 123, 127, 128 and 130, Sacramento River Flood Control Project, and furnished your office at a later date.

Sincerely yours,

1 Incl  
Summary Sheet

ROBERT E. MATHE  
Colonel, CE  
District Engineer

Copy furnished:  
Dept Water Resources  
O.C.E.  
S.P.D.

cc: Lev & Chan, Prog Dev, Valley Res, F&A

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

COLEMAN/pp

THOMPSON

HART

MATHE

Units 123, 127, 128, 130  
to office 20 OCT 64



64-71

SUMMARY OF LEVEE UNITS CONSTRUCTED - RIGHT AND LEFT BANKS - SACRAMENTO RIVER  
DOYERS BEND TO MONUMENT BEND

LEVEE UNIT SITE MILE	LEVEE ENLARGEMENT	LINEAL FEET	LEVEE SETBACK	LINEAL FEET	STONE PROTECTION	LINEAL FEET	RIGHT OR LEFT BANK
81.35	4+00 to 20+00	1,600	-----	-----	1+00 to 20+00	1,900	Right
85.7	-2+65 to 10+00	1,265	-----	-----	-1+00 to 9+00	1,000	Right
86.5	-----	-----	-----	-----	2+00 to 8+80	680	Left
86.8 ✓	-----	-----	-----	-----	4+75 to 6+50	175	Right
89.4 ✓	-----	-----	-----	-----	9+85 to 21+50	1,165	Left
92.85 ✓	-----	-----	-----	-----	1+00 to 7+65	665	Left
99.3 ✓	-----	-----	1+50 to 12+00	1,050	2+00 to 10+75	925 875	Left
99.75 ✓	-----	-----	-----	-----	2+25 to 17+65 (90° Forward Tangent)	1,650	Left
101.25 ✓	-----	-----	-----	-----	4+00 to 12+00	800	Left
103.25	4+00 to 8+50 18+17 to 23+44	450 527	----- -----	----- -----	4+00 to 23+44	1,944	Left
103.35	-----	-----	1+00 to 13+00	1,200	2+00 to 12+00	1,000	Right

Units 123, 127, 128, 130



EDMUND G. BROWN  
GOVERNOR

STANLEY W. KRONICK, SACRAMENTO  
PRESIDENT

GROVER SHANNON, YUBA CITY  
VICE PRESIDENT

J. J. MADIGAN, CHICO  
SECRETARY

## THE RECLAMATION BOARD

OF THE  
STATE OF CALIFORNIA

1215 O STREET  
SACRAMENTO 14, CALIFORNIA  
TELEPHONE: HI 5-4711

MAX S. VANN, SR., WILLIAMS  
WALLACE MCCORMACK, RIO VISTA  
GEORGE W. NICKEL, JR., LOS BANOS  
HAROLD J. O'BANION, DOS PALOS  
BOARD MEMBERS  
A. N. MURRAY  
GENERAL MANAGER AND CHIEF ENGINEER

Re: Your file No. SPKKO-C

July 21, 1961

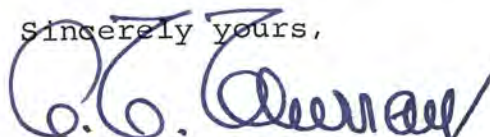
District Engineer  
Sacramento District  
U. S. Corps of Engineers  
P. O. Box 1739  
Sacramento, California

Dear Sir:

Reference is made to your letter of July 11, 1961, File No. SPKKO-C regarding transfer to the State of California of flood control work consisting of bank revetment in the vicinity of Race Track Bend on the left bank of the Sacramento River between Mile 106.02 and Mile 106.78, Specification No. 2709.

The Reclamation Board at its meeting of July 20, 1961, formally accepted this flood control work for operation and maintenance.

Sincerely yours,



A. N. MURRAY  
General Manager and Chief Engineer

HSH:ED

Unit 28 2



SPKKO-C

11 JUL 1961

Supplement #1

The Reclamation Board  
State of California  
1215 "O" Street  
Sacramento 14, California

Gentlemen:

Reference is made to Supplement dated 29 November 1957 to the Memorandum of Understanding entered into with the State of California under date of 30 November 1953, covering added items of work required to complete the Sacramento River Flood Control Project.

The flood control work consisting of bank revetment, in the vicinity of Race Track Bend, at the location listed below was completed on 7 July 1961 in accordance with Specification No. 2709, Contract No. DA-04-167-CIVENG-61-66 and Drawing No. 50-4-3662.

<u>SITE</u>	<u>LOCATION</u>	<u>RIVER MILE POINTS</u>
48c	Left Bank, Sacramento River	106.02 to 106.78

The foregoing supplemental work having been completed to current standards for the Sacramento River Flood Control Project is hereby transferred to the State of California for operation and maintenance. A maintenance manual for this section of project levee has already been furnished which adequately covers maintenance and operation of requirements for the above item.

A copy of this letter is being transmitted to the Department of Water Resources.

Sincerely yours,

Copy furnished:  
Dept Water Resources  
23rd & "R" Sts, Sacto

H. H. TURNER  
Colonel, CE  
District Engineer

O.C.E.  
S.P.D.

cc: Engr Divn-Levees &amp; Channels &amp; Program Dev Br, Northern Area Ofc

Concurrences	
Originator:	LHK
Date:	7/11/61
Dir. Engr.	
Dep. Dir. Engr.	
Exec. Asst.	
Compt.	
Budget	
Fin. & Insp.	
Mgmt.	
Property	
Office Services	
Training	
Engr'g.	
R. E.	
Personnel	
Counsel	
Supply	
Security	
Safety	
Tech. Liaison	

OPERATIONS BRANCH  
CHANNELS & LEVEES SECTION

Unit 7/28



STANLEY W. KRONICK, SACRAMENTO  
PRESIDENT

GROVER SHANNON, YUBA CITY  
VICE PRESIDENT

J. J. MADIGAN, CHICO  
SECRETARY

EDMUND G. BROWN  
GOVERNOR

**THE RECLAMATION BOARD**  
OF THE  
**STATE OF CALIFORNIA**

1215 O STREET  
SACRAMENTO 14, CALIFORNIA  
TELEPHONE: HI 5-4711

MAX S. VANN, SR., WILLIAMS  
WALLACE MCCORMACK, RIO VISTA  
GEORGE W. NICKEL, JR., LOS BANOS  
HAROLD J. O'BANION, DOS PALOS  
BOARD MEMBERS  
A. N. MURRAY  
GENERAL MANAGER AND CHIEF ENGINEER

December 23, 1960

District Engineer  
Sacramento District  
U. S. Corps of Engineers  
P. O. Box 1739  
Sacramento, California

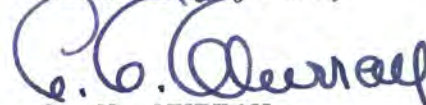
Dear Sir:

Reference is made to your letter of November 9, 1960, File SPKKO-C regarding transfer to the State of levee sections on the Sacramento River Flood Control Project at the locations listed below:

<u>SITE</u>	<u>LOCATION</u>	<u>MILE POINT</u>
M	Right Bank, Three Mile Slough (Sherman Island Side)	1.44 to 1.87, and 2.01 to 2.59 <sup>101</sup>
H	Left Bank, Lindsey Slough	2.48 to 2.67 <sup>107</sup>
J	Left Bank, Lindsey Slough	3.22 to 3.55
P	Left Bank, Sacramento River	88.28 to 88.51 <sup>128</sup>

The Reclamation Board at its meeting of December 1, 1960, formally accepted these levee sections for operation and maintenance.

Sincerely yours,



A. N. MURRAY

General Manager and Chief Engineer

HSH:ED

Copy sent to

Ed Jensen, Engrg.  
Northern Area Ofc

1/3/61

LHK



SPKGO-C

9 NOV 1960

The Reclamation Board  
State of California  
1215 "O" Street  
Sacramento 14, California

*Supplement #2*

Gentlemen:

Reference is made to the second supplement dated 5 June 1958, to Memorandum of Understanding entered into with the State of California under the dated of 30 November 1953, covering added items of work at critical locations required to complete the Sacramento River Flood Control Project.

The flood control work consisting of levee construction and bank revetment at four locations listed below was completed on 11 October 1960 in accordance with Specification No. 2645, Contract No. DA-04-167-CIVIENG-60-94 and Drawing No. 50-4-3626.

<u>SITE</u>	<u>LOCATION</u>	<u>MILE POINTS</u>
M	Right Bank, Three Mile Slough (Sherman Island Side)	1.44 to 1.87, and 2.01 to 2.59 <i>101.01</i>
H	Left Bank, Lindsey Slough	2.48 to 2.67 <i>107 .19</i>
J	Left Bank, Lindsey Slough	3.22 to 3.55 <i>133</i>
P	Left Bank, Sacramento River	88.28 to 88.51 <i>128 Orig Sac Riv Proj</i>

The foregoing supplemental work having been completed to current standards for the Sacramento River Flood Control Project is hereby transferred to the State of California for operation and maintenance. A maintenance manual for these sections of project levees has already been furnished which adequately covers operation and maintenance requirement for above items.

*1.01  
.19  
1.33  
1.53*

REGISTERED  
RETURN RECEIPT REQUESTED



LHK/ecg

SPKCO-C  
The Reclamation Board

9 NOV 1960

A copy of this letter is being transmitted to the State of California, Department of Water Resources.

Sincerely yours,

H.N. TURNER  
Colonel, CE  
District Engineer

M. R. BITTIKOFER  
Lt. Col, CE  
Deputy District Engineer

Copy furnished:  
Dept. Water Res.  
23rd and N Sts.,  
Sacramento, Calif.

O.C.E.  
SPD

cc: Engr. Div - Levees & Channels  
Engr Div - Program Develop. Br.  
Northern Area Office

OPERATIONS BRANCH  
CHANNELS & LEVEES SECTION

Concurrences

Originator:	LHK
Date:	11/8/60
Dist. Engr.	2
Asst. D.E. (A)	
Asst. D.E. (O)	me
Exec. Asst.	
Comptlr.	
Budget	
Fin. & Accg.	
Mgmt.	
Property Office service	
Constn-Opns.	
Engr'g	
R. E.	
Prsnl.	
Legal	
Supply	

units  
101, 107, 128

REGISTERED  
RETURN RECEIPT REQUESTED

mik



## THE RECLAMATION BOARD

October 7, 1960

District Engineer  
Sacramento District  
U. S. Corps of Engineers  
P. O. Box 1739  
Sacramento, California

Dear Sir:

Reference is made to your letter of September 26, 1960, concerning the transfer to the State of the levee construction and bank revetment on the Sacramento River Flood Control Project on the levee sections listed below:

<u>SITE</u>	<u>LOCATION</u>	<u>MILE POINTS</u>
B	Right Bank, Sacramento River	81.51 to 81.70
F	Left Bank, Sacramento River	85.79 to 85.92
A-1	Right Bank, Sacramento River	120.30 to 120.74
A-2	Right Bank, Sacramento River	120.95 to 121.07

The Reclamation Board at its meeting of October 6, 1960, formally accepted these levee sections for operation and maintenance.

Sincerely yours,

A. N. MURRAY /s/  
A. N. MURRAY  
General Manager and Chief Engineer

EXHIBIT F



26 SEP 1960

The Reclamation Board  
State of California  
1215 "O" Street  
Sacramento 14, California

Supplement #2

Gentlemen:

Reference is made to the second supplement dated 5 June 1958, to Memorandum of Understanding entered into with the State of California under date of 30 November 1953, covering added items of work at critical locations, required to complete the Sacramento River Flood Control Project.

The flood control work consisting of levee construction and bank revetment at four locations on the right and left banks of the Sacramento River, listed below, was completed on 19 August 1960 in accordance with Specification No. 2600, Contract No. DA-04-167-CIVENG-60-29 and Drawing No. 50-4-3613.

<u>SITE</u>	<u>LOCATION</u>	<u>MILE POINTS</u>		
B	Right Bank, Sacramento River	81.51 to 81.70	123	.19
F	Left Bank, Sacramento River	85.79 to 85.92	128	.13
A-1	Right Bank, Sacramento River	120.30 to 120.74	131	.44
A-2	Right Bank, Sacramento River	120.95 to 121.07		.12

The foregoing supplemental work having been completed to current standards for the Sacramento River Flood Control Project is hereby transferred to the State of California for operation and maintenance. A maintenance manual for these sections of project levees has already been furnished which adequately covers operation and maintenance requirements for above items.

.88 mi



SPKRO-C  
The Reclamation Board

26 SEP 1960

A copy of this letter is being transmitted to the State of California, Department of Water Resources.

Sincerely yours,

Copy furnished:  
Dept Water Res.  
23rd & "H" Sts  
Sacramento, Calif.

H. H. TURNER  
Colonel, CE  
District Engineer

O.C.E.  
S.P.D.

cc: Engr Div-Levees & Channels  
Engr Div-Program Develop. Br.  
Northern Area Office

OPERATIONS BRANCH  
CHANNELS & LEVEES SECTION

Concurrences	
Originator	LHK
Date	9/23/60
Dist. Engr.	<i>[Signature]</i>
Asst. D.E. (A)	<i>[Signature]</i>
Asst. D.E. (O)	2 <i>[Signature]</i>
Exec. Asst.	<i>[Signature]</i>
Comptroller	
Director	
Engr. & Arch.	
Mgr.	
Property Office	
Service	
Constn-Opns.	<i>[Signature]</i>
Engr'g	
R. E.	
Planl.	
Legal	
Supply	

Units 123, 128,  
131



SPKNO-P

16 SEP 1959

The Reclamation Board  
State of California  
1215 "O" Street  
Sacramento 11, California

Gentlemen:

Reference is made to the joint inspection made on 29 June 1959 of certain levee sections pertaining to the Sacramento River Flood Control Project for the purpose of transferring them to the jurisdiction of the State of California for operation and maintenance.

The required work on the levee sections referred to above is completed in accordance with Specification No. 2305, Contract No. DA-01-167-CIVKNO-58-17 and Drawing Nos. 50-L-3263 and 50-S-3359. The levee sections referred to above are located on the left bank of the Sacramento River and are listed as follows:

LEVEE SECT. NO.	SITE NO.	RIVER MILE POINTS
641	E	92.2 to 92.6
642	F	89.82 to 91.5
643	G	89.35 to 89.61
644	H	89.61 to 89.82

The levee sections Nos. 641 to 644 inclusive, described above, now meet the requirements of the Sacramento River Flood Control Project; therefore said levee sections, together with the waterway banks contiguous thereto, are hereby transferred to the State of California for operation and maintenance.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations, inclosed herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress,

REGISTERED

RETURN RECEIPT REQUESTED

Posted  
Unit 128

Contract #58-17  
Units 641-644 incl

OPERATIONS BRANCH



16 SEP 1959

SPXKO-P

The Reclamation Board

approved 22 June 1936, as amended and supplemented by the current issue of the Standard Operation and Maintenance Manual for the Sacramento River Flood Control Project. As provided under Paragraph 208.10 (10) of these regulations, a supplement to the Standard Operation and Maintenance Manual covering these units of work will be furnished to you upon completion.

A copy of this letter is being transmitted to the Department of Water Resources.

1 Incl  
P.C. Reg.

Copy furnished:  
Dept Water Resources  
23rd & "R" Sts  
Sacto, Calif.  
O.C.R. w/o incl  
SoPacDivnEngr w/o incl

cc: Engr Divn w/o incl  
Northern Area Ofc w/o incl  
Operations Br w/o incl

2

REGISTERED

RETURN RECEIPT REQUESTED

Unit 128  
Units 641-644 incl.



REGISTERED

RETURN RECEIPT REQUESTED

15 DEC 1958

SPKKO-P 824.3 (Sac. Riv. FCP)

The Reclamation Board  
State of California  
1215 "O" Street  
Sacramento 14, California

Gentlemen:

Reference is made to the joint inspection made on 2 December 1958 of certain levee sections pertaining to the Sacramento River Flood Control Project for the purpose of transferring them to the jurisdiction of the State of California for operation and maintenance.

The required work on the levee sections referred to above is completed in accordance with Specification No. 2305, Contract No. DA-04-167-CIVENG-98-17 and Drawing Nos. 50-4-3263 and 50-5-3359. The levee sections referred to above are located on the left bank of the Sacramento River and are listed as follows:

LEVEE SECT. NO.	SITE NO.	RIVER MILE POINTS	Miles
632	A	119.6 to 116.1	0.5
633	B	113.4 to 114.2	0.8
634	C	112.0 to 112.5	0.5
635	D	106.9 to 110.4	3.5
636	H	88.66 to 88.92	0.26
637	I	87.9 to 88.21	0.31
638	2	88.92 to 89.35	0.42
639	4	87.50 to 87.90	0.4
			<u>6.69</u>

The levee sections Nos. 632 to 639 inclusive, described above, now meet the requirements of the Sacramento River Flood Control Project; therefore said levee sections, together with the waterway banks contiguous thereto, are hereby transferred to the State of California for operation and maintenance.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with

REGISTERED

RETURN RECEIPT REQUESTED

Contr. # 58-17

Units 632-639

Unit 128

Posted

OPERATIONS BRANCH



REGISTERED

RETURN RECEIPT REQUESTED

15 DEC 1958

SPKXO-P 824.3 (Sac.Riv. PCP)  
The Reclamation Board

existing Flood Control Regulations, inclosed herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented by the current issue of the Standard Operation and Maintenance Manual for the Sacramento River Flood Control Project. As provided under Paragraph 208.10(10) of these regulations, a supplement to the Standard Operation and Maintenance Manual covering these units of work will be furnished to you upon completion.

A copy of this letter is being transmitted to the Department of Water Resources.

Sincerely yours,

1 Incl  
F.C. Reg.

Copy furnished:  
Dept Water Res  
23rd & "H" Sts  
Sacto, Calif.  
O.C.E. w/o incl  
SoPacDivnEngr w/o incl

A. E. McCOLLAM  
Colonel, CE  
District Engineer

cc: Engr Divn w/o incl  
Northern Area Ofc w/o incl  
Sac Opns Ofc w/o incl

REGISTERED  
RETURN RECEIPT REQUESTED

Unit 128



THE RECLAMATION BOARD  
OF THE  
STATE OF CALIFORNIA  
1100 O STREET  
SACRAMENTO 14, CALIFORNIA

February 7, 1955

Corps of Engineers, U. S. Army  
District Engineer  
Sacramento District  
P. O. Box 1739  
Sacramento, California

Gentlemen:

Reference is made to your letters dated May 17, 1954, November 18, 1954, December 15, 1954, January 14, 1955, January 21, 1955, and January 31, 1955, concerning the transfer of levee sections and contiguous banks to the State of California for operation and maintenance, your File No. SPKKO-P 824.3 (Sacramento River F.C.P.).

The Reclamation Board at its meeting on February 2, 1955, deferred action on the above indicated transfers until such time as the report of its consulting engineers has been completed.

Yours very truly,

THE RECLAMATION BOARD  
A. M. BARTON  
Chief Engineer and General Manager

By Donald D. Lemmon  
DONALD D. LEMMON  
Assistant Secretary

DDI:Feb

May 17-1954	_____	237, 378, and 238 (Filed under Unit No. 378)
Nov. 18-1954	_____	305 to 315
Dec. 17-1954	_____	379 to 387
Jan. 14-1955	_____	328 to 422, 104, 110, 112
Jan. 21-1955	_____	423 to 433, 128, 130, 131, 136
Jan. 31-1955	_____	434. 152



This copy was  
furnished on  
24 Feb. 1953  
B. A.

Accepted  
Items

December 18, 1951

The Board accepted the transfer from the Corps of Engineers, in letters of dates listed below, the following reaches of levees and their contiguous waterway banks where applicable for flood control operation and maintenance, as complete and meeting the requirements of the Sacramento River Flood Control Project.

No.	Date of Letter	Levee Location	Remarks
①-②	1 Dec. 1951	N. and S. Training* Levees Moulton Weir*	Maintained by State
③-④	Do	N. and S. Training* Levees Colusa Weir*	Maintained by State
⑥	3 Dec. 1951	W. Levee Sacramento River, Mile 177.5 Mile 174.1	Maintained as Maintenance Area No. 2
⑨	4 Dec. 1951	E. Levee Yolo By-pass Fremont* Weir to Miner Slough*	N. 2 mi. maintained by State. Remainder by local districts. Conditioned upon completion of levee section and no acceptance of banks of Sacramento Deep Water Channel.
⑩ ⑪	Do	N. & S. Levees Sacra- mento By-pass*	Maintained by State. Waterward slopes on 4 to 1 not required.
⑫ ⑬	6 Dec. 1951	Back levee Egbert District*	Maintained by R. D. No. 536
⑭ ⑮	6 Dec. 1951	W. Levee Yolo By-pass Lindsey* Slough to Watson Hollow Drain*	Maintained by R. D. No. 536
⑯ ⑰	Do	N. Levee Watson Hollow Drain*	Do
⑱ ⑲	6 Dec. 1951	W. Levee Sacramento River Mile 59.0 to Lake Wash- ington Barge Canal	Maintained by R. D. No. 900
⑳ ㉑	Do	W. Levee Sacramento Riv. Mile 50.8 to 50.5	Bank protection contract. Maintained by R. D. No. 765



Accepted  
Items

No. Date of  
Letter

Levee Location

Remarks

6 6 Dec. 1951

Levees of Wadsworth Canal\*  
South levees of E. and W.  
Intercepting Canals.

Maintained by State. Water-  
ward slopes on 4 to 1 not  
required.

(12) (13) (14) (15)

7 7 Dec. 1951

Site 2 Part A. W. Levee  
Sacramento River-Mile  
28.5 -Grand Island.

Maintained by R.D. No. 3.

= 329

(87-A)

Completed contract.

= 331

(89-A)

Site 1, Part B. E. levee  
Sacramento River-Mile 15.0  
Brannan Island.

Maintained by R.D. No. 2067  
Completed contract.

8 8 Dec. 1951

W. levee Sacramento River  
Mile 163.8 to Mile 143.5  
except 320 ft. at Colusa  
Warehouse & Mile 146.1  
to Mile 146.4.

Maintained as Maintenance  
Area No. 1.

(51) (52) (53) (54) (55) (56) (57)

8 Do

E. levee Sacramento River,  
Mile 153.3 to Mile 152.7;  
Mile 149.9 to Mile 149.7;  
Mile 149.4 to Mile 149.0;  
at Colusa Weir; Mile 143.3  
to Mile 140.2; Mile 139.3  
to Mile 138.2.

Maintained by State  
Separate completed contracts.

(58) (59) (60) (61) (62) (63)

8 Do

E. levee Sacramento River  
Mile 138.2 to Mile 137.9;  
Mile 136.9 to Mile 133.8;  
Mile 133.2 to Mile 132.3;  
Mile 131.8 to Mile 125.9;  
Mile 125.8 to Mile 123.1;  
Mile 122.6 to Mile 122.0.

Maintained by R.D. No. 70,  
Completed contracts.

(64) (65) (66) (67) (68) (69) (70)

8 Do

West levee, Sutter By-pass\*

Maintained by R.D. Nos. 70,  
1660, 1500. Condition upon  
completion of remaining  
part to standard section.

(71) (72) (73)

8 Do

North levee Tisdale  
By-pass†

Maintained by R.D. No. 1660.  
Waterward slope of 4 to 1  
not required.

(74)

8 Do

South levee Tisdale  
By-pass†

Maintained by R.D. No. 1500.  
Waterward slope of 4 to 1  
not required.

(75)

8 Do

East levee Sutter  
By-pass\*.

Maintained by State.

(76)

9 Do

W. levee Sacramento River  
Mile 35.15 to 35.86.

Maintained by R.D. No. 150  
(Merritt Island). Completed  
contract bank protection.

(81)

21  
2



Accepted  
Items

No.	Date of Letter	Levee Location	Remarks
(91) 10	8 Dec. 1951	Cross levee Steamboat Slough to Sacramento River.*	Maintained by R.D. No. 3 (along U.S.spoil bank).
(140) 11	Do	N. levee American River from Jibboom St. Bridge to Sacramento River.	Maintained by R.D. No. 1000.
(141) 11	Do	E. levee Sacramento River American River to Natomas Cut.	Maintained by R.D.No. 1000.
(142) 11	Do	E. bank Sacramento River At Moulton Weir.	Maintained by State.
(143) 11	Do	E. Levee Sacramento River Mile 158.5 to Mile 164.4.	Maintained partly by State; remainder by Levee District.No. 3, Glenn County, Completed Contract.
(146) 11	Do	W. levee Sacramento River Mile 61.8 to Mile 62.65.	Maintained by Maintenance Area No. 4. Completed contract.
(147) 11	Do	W. Levee Sacramento River Mile 62.65 to Mile 63.1.	Maintained by R.D. No. 537 Completed contract.
(148) 11	Do	Sacramento Weir.	Maintained by State.
(152) 11	Do	Fremont Weir.	Maintained by State.
(153) 11	Do	W. Levee Sacramento River Mile 87.6 to Mile 88.4; Mile 89.2 to Sycamore Slough	Maintained by R.D. No. 730 Completed contracts.
(153) 11	Do	W. Levee Sacramento River Mile 100.6 to Mile 101.4	Maintained by Sacramento River West Side Levee District. Completed contract.
(160) 11	Do	W. Levee Feather River except: 3.31 Mi. North from Nicolaus Bridge; 1400 ft. in Yuba City; from Sta.774+80 to Sta. 1188+00 of "Y.C.H.B" Traverse.	Maintained by Maintenance Area No. 3, Levee Dist. Nos. 1 & 9 of Sutter Co. Recl. Dist.No. 777 and State.
(164) 11	Do	E. Levee Sacramento River, Natomas Cut to Feather River	Maintained by Recl.Dist.No.1001.
(165) 11	Do	E. Levee Feather River from mouth to Mile 26.5, except from 2.37 miles of Nicolaus Bridge to Bear River	Maintained by R.D. Nos. 1001 and 784.



Accepted  
Items

<u>No.</u>	<u>Date of Letter</u>	<u>Levee Location</u>	<u>Remarks</u>
11 (171) (172)	8 Dec. 1951	Marysville levees from W.P.R.R. at Simmerly Slough E. to Yuba River and from D St. Bridge on Yuba River upstream to Valley Meat Co.	Maintained by Marysville Levee Commission.
11 (173) (174)	Do	N. Levee Simmerly Slough from W.P.R.R. to S.P.R.R. and E. Levee Feather River from Simmerly Slough upstream 4.8 miles	Maintained by R.D. No. 10 Completed contract.
11 (175)	Do	N. Levee Yuba River from back levee of Marysville upstream 1.8 miles	Maintained by Marysville Levee Commission.
11 (176)	Do	S. Levee Yuba River from S.N.R.R. to S.P.R.R.	Maintained by R.D. No. 784.
11 (177)	Do	N. Levee Bear River from Feather River to W.P.R.R. Interceptor	Maintained by R.D. No. 784.
11 (178)	Do	E. Levee R.D. 784 ( W. Levee W.P.R.R. Interceptor) Bear River to intersection with W.P.R.R. in S $\frac{1}{2}$ Sec. 17, T. 14 N., R. 4 E.	Maintained by R.D. No. 784.
11 (179) (180)	Do	S. Levee American River from 16th St. Bridge to Mayhew except from S.N.R.R. to a point 800 ft. E. of W.P.R.R.	Maintained by American River Flood Control District.
11 (181) (182) (183) (184) (185) (186) (187) (188)	Do	W. Levee Yolo By-pass from Sacramento River to Putah Creek except from N. line Cache Cr. Settling Basin to S.N.R.R. & from old Willow Slough pipes south 1.48 mi.*	Maintained by State and R. D. #2035.
11 (190)	Do	N. & S. levees Willow Slough Interceptor*	Maintained by State and R. D. No. 2035.
11 (191) (192)	Do	N. & S. levees of Putah Creek	Maintained by State.
11 (197) (198)	Do	N. & S. levees Sycamore Slough from Sacramento River to Knights Landing Outfall Gates	Maintained by R.D. 730 and Sacramento River West Side Levee District.

21



Accepted  
Items

No.	Date of Letter	Levee Location	Remarks
-----	----------------	----------------	---------

12 8 Dec. 1951

Five reaches of Ryer Island levee along Miner Slough as follows:

a. Junction Miner and Sutter Sloughs westerly 5000 feet.  
b. From State Highway Bridge West. 3035 ft.

c. Spec. 1473, Sta. 53+00 to 64+00 about one mi. No. of Ryde Road. Mile 29.4 to 29.6

d. Spec. 1473, Sta. 0+00 to 12+00 being 600 ft. each side of Ryde Road. Mile 30.4 to 30.6

e. Ryer Island cut-off levee beginning at east bank of Cache Slough and extending upstream 3,300 feet at junction of Cache and Miner Sloughs.

Maintained by R.D. No. 501. All are completed separate contracts.

Covered by letter  
dated  
16 Nov. 1951

303 Covered  
by letter dated

304 17 Nov. 1951

(32)

(79A)

(53A)

(54A)

(23)

(50)

\*No waterway banks contiguous to these levees.



REGISTERED MAIL  
Return Receipt  
Requested

STWEO-P 824.3(Sac.Riv. F.C.P.)

Reply is covered by Reclamation Board  
letter dated 22 May 1952 which includes  
transfer of 101 units of work by Hart by letter  
dated 13 Dec. 1951.

13 DEC 1951

The Reclamation Board  
State of California  
1100 "G" Street  
Sacramento, California

#### Settlement

Reference is made to letter from this office dated 8 November 1951, wherein it was proposed to transfer to the jurisdiction of the State of California three units of the Sacramento River Flood Control Project in accordance with the procedure set forth in the letter from this office dated 12 February 1951. Reference is also made to the joint inspection of these units of work which was made on 15 November 1951. The location of these three units is described as follows:

- 80-A a. Part "A", Left bank, Sacramento River, Mile 94.0 to 95.6, on Reclamation District No. 1500, approximately 5 miles upstream from Knights Landing, California. 128
- 81-A b. Part "B", Left bank, Sacramento River, Mile 114.2 to 115.6 on Reclamation District No. 1500, approximately 17 miles downstream from Meridian, California. 128
- 82-A c. Part "C", Left bank, Sacramento River, Mile 116.1 to 117.0 on Reclamation District No. 1500, approximately 16 miles downstream from Meridian, California. 128

The work referred to above, covered by Specification No. 1485, Drawing No. SO-1-2753, Contract DA-01-167-eng-145, was completed 16 November 1951, except for completion of the paving on top of the levee which will be done as soon as weather conditions permit. Therefore, said completed units of work, together with the river bank contiguous thereto, are hereby transferred to the State of California for maintenance and operation.

322, 323, 324  
80-A, 81-A, and 82-A



SPKCO-P 824.3(See Div. F.C.P.)  
The Reclamation Board

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented. As provided under Paragraph 208.10(10) of these regulations, a maintenance manual covering these levee units is in process of preparation and will be furnished your Board upon completion.

A copy of this letter is being transmitted to the State Engineer.

FOR THE DISTRICT ENGINEER:

Sincerely yours,

Copy Furnished:  
Office, Chief of Engrs.  
So. Pac. Div. Engr.  
State Engineer  
Sacto. Field Office  
Engr. Div. (2)  
C. de Arrieta

H. R. Reifsnyder  
Lt. Colonel, Corps of Engineers  
Executive Officer

322-323-324

(28)

80-A, 81-A, 82-A



RECEIVED MAIL  
Receipt Requested

Letter No. 12

12

SPKKA 824.3(Sac. Riv. F.C.P.)

8 DEC 1951

The Reclamation Board  
State of California  
1100 "O" Street  
Sacramento 14, California

Gentlemen:

Reference is made to your letter of 22 June 1951 acknowledging that certain reaches of the levees of the Sacramento River Flood Control Project and the waterway bank contiguous to said levee reaches meet the requirements of the project as authorized prior to the Flood Control Act of 1944.

The levee reaches in question are located as follows:

(140) a. Northerly levee of the American River from Jibboom Street Bridge to Sacramento River. 118.2 (?)

b. Easterly levee of the Sacramento River.

Reach 15 (141) (1) American River to Natones Out. 60.25 to 79.0 124

(142) (2) At Moulton Weir. (man 2) 154

(143) (3) Mile 158.5 (North End Moulton Weir) to Mile 164.4 (Princeton Ferry). (man 2) ? 134

(144) (4) Mile 168.5 to Mile 168.9 (at Butte City). (man 2) ? 138

c. Westerly levee of the Sacramento River.

(145) (1) Mile 59.9 to Mile 60.75. 116

(146) (2) Mile 61.8 to Mile 62.65 (at Drye Bend) 116

62.65

Accepted by  
letter  
dated  
9 March 1953

Reach No. 11

Letter 12

Items 140 to 198

12



SPKHA 624,5 (Sac. Riv. F.C.P.)  
The Reclamation Board

Letter No. 12

12

c. Westerly levee of the Sacramento River, (cont'd)

- Reach No. 5
- ✓ 147. (3) Mile 62.65 to Mile 63.1 (South End Sacramento Weir). 116
  - ✓ 148. (4) At Sacramento Weir. 158
  - ✓ 149. (5) Mile 63.5 (North End Sacramento Weir) to Mile 67.11. 122
  - ✓ 150. (6) Mile 68.42 to Mile 70.9. 122
  - ✓ 151. (7) Mile 76.5 to Mile 81.7 (East End Fremont Weir). 123
  - ✓ 152. (8) Along Fremont Weir. 157
  - ✓ 153. (9) Mile 84.0 (West End Fremont Weir) to Mile 85.3. 128
  - ✓ 154. (10) Mile 85.5 to Mile 85.9. 128
  - ✓ 155. (11) Mile 87.6 to Mile 88.4. 128
  - ✓ 156. (12) Mile 89.2 to Mile 89.8 (Knights Landing Highway Bridge). 128
  - ✓ 157. (13) Mile <sup>89.2</sup> 89.8 (Knights Landing Highway Bridge) to Sycamore Slough. 89.9 128
  - ✓ 158. (14) Mile <sup>100.6</sup> 100.6 to Mile 101.4. 128
  - ✓ 159. (15) Mile 110.9 to Mile 111.2. 128
- Reach No. 4

d. Westerly levee of the Feather River.

- Reach 39
- ✓ 160. (1) Sutter Bypass to Nicolaus Bridge. 143
  - ✓ 161. (2) From a point 3.31 miles northerly from Nicolaus Bridge to the Fifth Street Bridge between Marysville and Yuba City. 143, 144
- Reach 38
- ✓ 162. (3) From a point 1,400 feet northerly from the Fifth Street Bridge between Marysville and Yuba City to Station 774+00 "Y.C.N.B." Traverse. 144
  - ✓ 163. (4) From a point east of Station 1188+00 "Y.C.N.B." Traverse to high ground just northerly from the Western Canal Headgate. 144
- Reach 42
- ✓ 164. a. Easterly levee of the Sacramento River from Matomas Cut to Feather River. 141.1



SPKRA 824.3(Sac.Riv.F.C.P.)  
The Reclamation Board

Letter No. 12

12

f. Easterly levee of the Feather River.

- Reach 42 ✓ (165.) (1) Sacramento River to a point 2.37 miles southerly from  
Nicolaus Bridge. 141 Pt 1
- Reach 41 ✓ (166.) (2) Bear River to Mile 14.4. }  
✓ (167.) (3) Mile 14.4 to Mile 14.7. }  
✓ (168.) (4) Mile 14.7 to Mile 21.5. } 145  
✓ (169.) (5) Mile 21.5 to Mile 22.75. }  
✓ (170.) (6) Mile 22.75 to Mile 26.5 (Point where levee and S.M.R.R.  
meet). 145

g. Levees protecting the City of Marysville. All 147

- Reach 43 ✓ (171.) (1) From the W.P.R.R. at Simmerly Slough easterly to the  
Yuba River.
- ✓ (172.) (2) Along the Yuba River from the "D" Street Bridge to the  
back levee near the Valley Meat Company.

h. Levees protecting Reclamation District No. 10.

- Reach No. 40 ✓ (173.) (1) Northerly levee of Simmerly Slough from the W.P.R.R.  
to the S.P.R.R. 151
- ✓ (174.) (2) Easterly levee of the Feather River from Simmerly Slough  
to a point 4.8 miles northerly from Simmerly Slough. 151

- Reach 46 ✓ (175.) i. Northerly levee of the Yuba River from the back levee of the  
City of Marysville to a point 1.8 miles easterly from said back levee. 147

- Reach 47 ✓ (176.) j. Southerly levee of the Yuba River from Feather River (i.e.  
S.M.R.R.) easterly to the S.P.R.R. Main Line. 147

- u5 ✓ (177.) k. Northerly levee of Bear River from Feather River easterly to  
the W. P.R.R. Interceptor. 145

- u5 ✓ (178.) l. Westerly levee of the W.P.R.R. Interceptor and Clark Slough  
Interceptor (i.e. back levee of Reclamation District No. 784) from Bear  
River to the southerly end of the Clark Slough Interceptor. 145



SPRKA 824.3(Sac.Riv.P.C.P.)  
The Reclamation Board

Letter No. 12

12

m. Southerly levee of the American River.

Reach  
No. 25

- ✓ 179. (1) Sixteenth Street Bridge to the S.N.R.R. 118.1
- ✓ 180. (2) From a point 800 feet easterly from the W.P.R.R. to Mayhew Station. 118.1

n. Westerly levee of the Yolo Bypass.

- ✓ 181. (1) Sacramento River to Knights Landing Ridge Cut. 127
- ✓ 182. (2) Knights Landing Ridge Cut to the northeast corner of the Cache Creek Settling Basin. 126
- 28 ✓ 183. (3) S.N.R.R. Woodland Branch to a point 1.6 miles southerly from said railroad. 121
- 28 ✓ 184. (4) From a point 1.6 miles southerly from the S.N.R.R. Woodland Branch to the Willow Slough Pipes. 121
- 28 ✓ 185. (5) From a point 1.48 miles southerly from the Willow Slough Pipes to a point 1.9 miles southerly from said pipes. 121
- 28 ✓ 186. (6) From a point 1.9 miles southerly from the Willow Slough Pipes to the Willow Slough Interceptor. 121
- 28 ✓ 187. (7) From the Willow Slough Interceptor to Highway U.S. 40. 120
- ✓ 29 ✓ 188. (8) From Highway U.S. 40 to Putah Creek. 119

27 ✓ 189 o. Easterly and Westerly training levees of Cache Creek Settling Basin from Cache Creek southerly. 126

28 ✓ 190 p. Northerly and Southerly levees of the Willow Slough Interceptor from the S.P.R.R. to the Yolo Bypass. 120

29 ✓ 191 q. Northerly levee of Putah Creek from Yolo Bypass westerly to high ground. 119

✓ 192 r. Southerly levee of Putah Creek from high ground on Dixon Ridge westerly to high ground. 119

s. Southerly levee of Knights Landing Ridge Cut. 127

- 26 ✓ 193 (1) From Yolo Bypass westerly 600 feet. Also covered under Unit 96-A
- 26 ✓ 194 (2) { From a point 2,500 feet westerly from Yolo Bypass to a point 2,900 feet westerly from Yolo Bypass. 127  
Also covered under 96-A

12



SPKKA 824.3(Sac.Riv.F.C.P.)  
The Reclamation Board

Letter No. 12

12

s. Southerly levee of Knights Landing Ridge Cut. (cont'd)

- 26 ✓ 195 (3) { From a point 3,300 feet westerly from Yolo Bypass to a point 7,100 feet westerly from Yolo Bypass. 127  
Also covered under Unit No. 96-A
- 35 ✓ 196 t. That portion of the back or westerly levee of Hastings Tract which runs east and west along the County Road for a distance of approximately one mile. 107
- ✓ 197 u. Northerly levee of Sycamore Slough from Sacramento River to Knights Landing Outfall Gates. 130
- ✓ 198 v. Southerly levee of Sycamore Slough from Sacramento River to Knights Landing Outfall Gates. 132

The records of this office show that your Board has accepted the levees and/or works covered by Items b.(1), b.(2), b.(3), c.(2), c.(4), c.(8), c.(11), c.(12), c.(14), d.(1), d.(3), d.(4), f.(3), f.(5), g., h., i., l., m., n.(1), n.(2), n.(3), n.(6), n.(7), n.(8), o., p., q., r. and s.(1) above, as complete. Accordingly the waterway bank contiguous to said Items is hereby transferred to the State of California for maintenance and operation.

The levee covered by Items a., b.(4), c.(1), c.(3), c.(5), c.(6), c.(7), c.(9), c.(10), c.(13), c.(15), d.(2), e., f.(1), f.(2), f.(4), f.(6), j., k., n.(4), n.(5), s.(2), s.(3), t., u. and v., above, although complete has not been formally transferred as contemplated by the Project documents. Accordingly the levee covered by said Items, together with the waterway bank contiguous thereto, is hereby transferred to the State of California for maintenance and operation.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented. As provided under paragraph 206.10(10) of these regulations, a maintenance manual covering these works is in process of preparation and will be furnished your Board upon completion.

A copy of this letter is being transmitted to the State Engineer.

FOR THE DISTRICT ENGINEER:

Sincerely yours,

Copy Furnished:  
Office, Chief of Engrs.  
So. Pac. Div. Engr.  
State Engineer  
Engr. Div. (2)  
C. de Arrieta

H. R. Relfsnyder  
Lt. Colonel, Corps of Engineers  
Executive Officer



EARL WARREN  
GOVERNOR

A. R. GALLAWAY, JR., SACRAMENTO  
PRESIDENT  
GROVER SHANNON, YUBA CITY  
VICE PRESIDENT  
GEO. H. HOLMES, CLARKSBURG  
SECRETARY  
W. P. HARKEY, GRIDLEY  
GEO. R. WILSON, WALNUT GROVE  
GEO. E. LODI, ARBUCKLE

THE RECLAMATION BOARD  
OF THE  
STATE OF CALIFORNIA

1100 O STREET  
SACRAMENTO 14, CALIFORNIA

TELEPHONE: 3-4671

A. M. BARTON  
CHIEF ENGINEER AND GENERAL MANAGER  
FRED N. HOWSER, ATTORNEY GENERAL  
LEGAL ADVISER  
G. F. MELLIN  
ASSISTANT ENGINEER AND APPRAISER  
S. A. HONAKER  
ASSISTANT SECRETARY

December 9, 1949

District Engineer  
Sacramento District  
P. O. Box 1739  
Sacramento, California

Dear Sir: 19.1

Reference your letters of July 22 and November 14, 1949, file PSKKB-F, notifying this office of the completion of the setback of the east levee of the Sacramento River at Ministerial Bend and of the west levee of the Sacramento River below Tyndall Mound.

The Reclamation Board at its meeting December 7, 1949, accepted said units of levees for maintenance on behalf of the State of California.

Yours very truly

THE RECLAMATION BOARD  
A. M. BARTON  
Chief Engineer and General Manager

By

  
S. A. HONAKER  
Assistant Secretary

SAH:emw

cc: State Engineer

824.3(SACRAMENTO RIV.FCP)PSK 9.2



JUL 22 1949

PSKID-2

The Reclamation Board  
State of California  
1100 "O" Street  
Sacramento, California

Gentlemen:

Setback of the East Levee of the Sacramento River, at Ministerial Bend, Mile 104.2 to Mile 104.7, has recently been completed. Setback of the West Levee of the Sacramento River, below Tyndall Mound, Miles 100.5 to 101.3 has also been completed recently. Therefore, in accordance with the provisions of the Sacramento River Flood Control Project, these two sections of completed levees are hereby turned over to the State of California for maintenance.

This construction forms an integral part of the Sacramento River Flood Control Project. The details and extent of the work are shown on the inclosed drawings.

There is also inclosed a copy of Flood Control Regulations prescribed by the Secretary of War (now designated as the Secretary of the Army) pursuant to the provisions of Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented, to govern the maintenance and operation of flood control works, of which the levees referred to above are a part. In accordance with paragraph 208.10(10) of said regulations, this office will furnish your Board and local interests at a later date with an Operation and Maintenance Manual to assist in carrying out their obligations established by these regulations.

For the records of this office, acknowledgment of receipt of this letter is requested on or before 19 August 1949.

Copy of this letter, with inclosures, is being transmitted to the State Engineer.

Sincerely yours,

3 Incls.

Drawings, File Nos.

50-4-2535 (in 1 sheet)

50-4-2540 (in 2 sheets)

Flood Control Regulations

cc:

Engr. Div. w/o Incls.

Sacto. Field Office

Cde A

Copy furnished:

State Engineer, with Incls.

JOSEPH S. GORLINSKI

Colonel, Corps of Engineers  
Regional Engineer

Units No. 23 and 24

128  
130

Acceptance of the portion of levee  
was refused by the Reclamation Board  
by letter dated

800.5 (Sack F.C. Proj) PSK 10



S. A. HONAKER  
Assistant Secretary  
The Reclamation Board



ADDRESS REPLY TO:  
DISTRICT ENGINEER  
SACRAMENTO DISTRICT  
CORPS OF ENGINEERS  
P. O. BOX 1739  
SACRAMENTO 8, CALIFORNIA

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
OFFICE OF THE DISTRICT ENGINEER  
SACRAMENTO DISTRICT  
WRIGHT BLDG., 1209-8TH ST.  
SACRAMENTO, CALIFORNIA

REFER TO FILE NO.

PSKKB

FEB 11 1949

*Contract No 1538-C*

The Reclamation Board  
State of California  
1100 "O" Street  
Sacramento, California

Gentlemen:

Setback of the easterly levee of the Sacramento River at Eldorado Bend at Mile 98.6 has recently been completed. Therefore, in accordance with established procedure, this section of the completed levee is hereby transferred to the State of California for maintenance.

This construction forms an integral part of the Sacramento River Flood Control Project. The details and extent of the work are shown on the inclosed drawings.

There is also inclosed a copy of Flood Control Regulations prescribed by the Secretary of War (now designated the Secretary of the Army) pursuant to the provisions of Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented, to govern the maintenance and operation of flood control works, of which the levees referred to are a part. In accordance with paragraph 208.10 (10) of said regulations, this office will furnish your Board and local interests at a later date with an Operation and Maintenance Manual to assist in carrying out their obligations established by these regulations.

For the records of this office, acknowledgment of receipt of this letter is requested on or before 10 March 1949.

Copy of this letter, with inclosures, is being transmitted to the State Engineer.

FOR THE DISTRICT ENGINEER

Sincerely yours,

Incls

Drawings, File Nos.  
50-4-2536, 50-4-2209  
Flood Control Regulations

Copy furnished:  
State Engineer, with incl.

Ellsworth L. Davis  
Lt. Colonel, Corps of Engineers  
Executive Officer

Unit No. 21



R E S O L U T I O N

PASSED AND ADOPTED BY THE RECLAMATION BOARD

APRIL 7, 1948

- - -

WHEREAS The Reclamation Board has heretofore approved certain items of "new construction"; consisting of the enlargement, set back and reconstruction of two sections of levee along the left bank of the Sacramento River, one in the vicinity of Mile 101.2 to Mile 102.3, and the other in the vicinity of Mile 140.8 to Mile 141.0 L., at Scoggings; and

136(?)

WHEREAS the Department of the Army, Corps of Engineers, District Engineer, Sacramento District, under date of March 23, 1948, has notified The Reclamation Board of the completion of said items of levee enlargement, set back and reconstruction and bank protection, and has transferred said portions of levee to the State of California for maintenance and operation; and

WHEREAS the Chief Engineer of The Reclamation Board has caused to be made an inspection on the ground of the items of new construction as specified above, and has found and determined that such work, as completed, has been prosecuted and carried out in conformance with plans and specifications therefor; now therefore be it

RESOLVED AND ORDERED that The Reclamation Board does hereby accept for the State of California the said items of "new construction" as aforesaid, which have on the date above set forth been transferred to said Board by the Department of the Army, U. S. District Engineer; and be it further

RESOLVED AND ORDERED that the section of levee between Miles 101.2 to 102.3 be, and the same is hereby turned over to Reclamation District No. 1500 for maintenance and operation, the same being the legally authorized function of said district; and that the section of levee between Miles 140.8 and 141.0 L. be, and the same is hereby turned over to the Department of Public Works,



acting by and through the State Engineer for maintenance and operation, pursuant to the provisions of the Water Code of the State of California.

STATE OF CALIFORNIA )  
COUNTY OF SACRAMENTO ) SS  
Office of The Reclamation Board )

I, S. A. HONAKER, Assistant Secretary of The Reclamation Board, do hereby certify that the attached is a true and correct copy of a Resolution passed and adopted by said Board at its meeting held April 7, 1948.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of The Reclamation Board, this 15 day of April, 1948.

  
S. A. HONAKER  
Assistant Secretary



PMRKB 824.3(Sac. River)

23 March 1948

SUBJECT: Maintenance of two sections of levee along left bank  
of Sacramento River, vicinity of Miles 101 and 141

The Reclamation Board  
State of California  
1100 "O" Street  
Sacramento, California

Gentlemen:

Construction has been completed of two sections of levee along the left bank of the Sacramento River in the vicinity of Miles 101 and 141. Therefore, in accordance with established procedure, these portions of completed levee are hereby transferred to the State of California for maintenance.

This construction forms an integral part of the Sacramento River Flood Control Project. The details and extent of the work are shown on inclosed drawings listed as follows:

<u>Drawing No.</u>	<u>Title</u>
50-4-2366	Part "A" - Proposed Levee Setback and Levee Enlargement, East Levee, Sacramento River, Mile 101.2 to 102.3
50-4-2367	Part "D" - Proposed Levee Setback and Bank Protection at Scoggings, Miles 140.8 to 141.0 L.

Manual No. 15  
Manual No. 16

There is also inclosed a copy of Flood Control Regulations prescribed by the Secretary of War, now referred to as the Secretary of the Army, pursuant to provisions of Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented, to govern the maintenance and operation of Flood Control Works, of which the two sections of levees referred to above are a part. In accordance with paragraph 208.10 (10) of said regulations, at a later date, this office will furnish your Board and local interests with an operation and maintenance manual to assist in carrying out their obligations established by these regulations.

*S. Manual No. 15 and 16*



PSKKB-A 624.3(Sac.River)  
The Reclamation Board

23 March 1948

For the records of this office, acknowledgment of receipt of this letter is requested on or before 30 April 1948.

Copy of this letter, with inclosures, is being transmitted to the State Engineer.

3 Incls.

Drawing No. 50-4-2366

Drawing No. 50-4-2367

Flood Control Regulations (all in dup.)

Copy furnished:  
State Engineer  
with Incls.

*S. Manual No. 15*



## R E S O L U T I O N

PASSED AND ADOPTED BY THE RECLAMATION BOARD

JULY 2, 1947

- - -

WHEREAS The Reclamation Board has heretofore approved certain items of "new construction"; consisting of (1) the enlargement, set back and construction of the East Levee of the Sacramento River from Isleton Bridge to Walnut Grove, in Reclamation Districts Nos. 407 and 556; (2) enlargement, set back and construction of the East Levee of the Sacramento River from Meridian Bridge to Tisdale Weir, in Reclamation Districts Nos. 70 and 1660; and (3) the enlargement, set back and construction of the East Levee of the Sacramento River between River Miles 92.6 to 94.5, 99.3 to 101.2, and 110.8 to 111.5, in Reclamation District No. 1500; and

WHEREAS the War Department, Corps of Engineers, District Engineer, Sacramento District, under date of June 23, 1947, has notified The Reclamation Board of the completion of the three items of levee enlargement, set back and construction, and has transferred said portions of levee to the State of California for maintenance and operation between proper local interests; and

WHEREAS the Chief Engineer of The Reclamation Board has caused to be made an inspection on the ground of the three items of new construction as specified above, and has found and determined that such work, as completed, has been prosecuted and carried out in conformance with plans and specifications therefor; now therefore be it

RESOLVED AND ORDERED that The Reclamation Board does hereby accept for the State of California the said three items of "new construction" as aforesaid, which have on the date above set forth been transferred to said Board by the War Department, U. S. District Engineer; and be it further



RESOLVED AND ORDERED that the East Levee of the Sacramento River from Isleton Bridge to Walnut Grove, together with the berms and appurtenant structures thereof, so much thereof as lies within Reclamation District No. 407, be, and the same is hereby turned over to Reclamation District No. 407 for maintenance and operation, as the legally authorized function of said district; and so much thereof as lies within Reclamation District No. 556 be, and the same is hereby turned over to Reclamation District No. 556 for maintenance and operation, as the legally authorized function of said district; and be it further

RESOLVED AND ORDERED that the East Levee of the Sacramento River, Meridian Bridge to Tisdale Weir, together with the berms and appurtenant structures thereof, so much thereof as lies within Reclamation District No. 70 be, and the same is hereby turned over to Reclamation District No. 70 for maintenance and operation, as the legally authorized function of said district; and that so much thereof as lies within Reclamation District No. 1660 be, and the same is hereby turned over to Reclamation District No. 1660 for maintenance and operation, as the legally authorized function of said district; and be it further

RESOLVED AND ORDERED that the East Levee of the Sacramento River between Miles 92.6 to 94.5, 99.3 to 101.2, and 110.8 to 111.5, together with the berms and appurtenant structures thereof, be and the same is hereby turned over to Reclamation District No. 1500 for maintenance and operation, as the legally authorized function of said district.

STATE OF CALIFORNIA  
COUNTY OF SACRAMENTO  
Office of The Reclamation Board } SS

I, S. A. HONAKER, Assistant Secretary of The Reclamation Board, do hereby certify that the above and foregoing is a true and correct copy of a Resolution adopted by said Board at its meeting held July 2, 1947.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of The Reclamation Board this 15th day of July, 1947.

  
S. A. HONAKER  
Assistant Secretary  
The Reclamation Board

*Manuals 10, 11 and 12*



824.3(Sacramento R.)PSKKB

23 June 1947

SUBJECT: Maintenance of Three Sections of Levee along  
Left Bank of Sacramento River between  
Mile 92.6 and Mile 111.5  
(District 1500)

The Reclamation Board  
State of California  
1100 "O" Street  
Sacramento, California

Gentlemen:

Construction has been completed of three sections of levee along the left bank of the Sacramento River between Mile 92.6 and Mile 111.5. Therefore, in accordance with established procedure, this portion of completed levee is hereby transferred to the State of California for maintenance.

This construction forms an integral part of the Sacramento River Flood Control Project. The details and extent of the work are shown on inclosed drawings Nos. 50-4-2295 to 2297, inclusive, entitled "Proposed Levee Setback in lieu of Bank Protection, East Levee, Sacramento River." The three sections of completed levee are as follows:

Part "A" - Mile 92.6 to Mile 94.5, left bank,  
Drawing No. 50-4-2295.

Part "B" - Mile 99.3 to Mile 101.2, left bank,  
Drawing No. 50-4-2296.

Part "C" - Mile 111.5 to 110.8, left bank,  
Drawing No. 50-4-2297.

There is also inclosed a copy of Flood Control Regulations prescribed by the Secretary of War pursuant to the provisions of Section 3 of the Act of Congress approved 22 June 1936, as amended and supplemented, to govern the maintenance and operation of Flood Control Works, of which the levee referred to above is a part. In accordance with paragraph 208.10(10) of said regulations, at a later date this office will furnish your Board and local interests with an operation and

Manual No. 12

Units 12 & 128

128



The Reclamation Board

maintenance manual to assist in carrying out their obligations established by these regulations.

For the records of this office, acknowledgment of receipt of this letter is requested on or before 25 July 1947.

Copy of this letter, with inclosures, is being transmitted to the State Engineer.

4 Incls.

3 Drawings No. 50-4-

2295, 2296 & 2297

Flood Control Regulations

✓ Copy furnished:

State Engineer

(with inclosures)

*Manual No. 12*

Units 12 & 128



R E S O L U T I O N

PASSED AND ADOPTED BY THE RECLAMATION BOARD

JANUARY 17, 1945

- - -

WHEREAS The Reclamation Board on January 3, 1945, did approve a certain item of "new construction", said work consisting of the construction of the East levee of the Sacramento River, at Missouri Bend, from Mile 96.4 to Mile 97.5; and

WHEREAS the War Department, U. S. Engineer Office, District Engineer, under date of December 15, 1944, has notified The Reclamation Board of the completion of such work of "new construction" and its desire to turn over to The Reclamation Board such work as completed for maintenance by the proper local interests; and

WHEREAS said section of levee lies within the boundaries of Reclamation District No. 1500, which district is required by law to operate and maintain said levee; and

WHEREAS the Chief Engineer of The Reclamation Board has caused to be made inspection on the ground of such work of "new construction", and has found and determined that such work, as completed, has been prosecuted and carried out in conformance with the plans and specifications therefor; now, therefore, be it

RESOLVED AND ORDERED, That The Reclamation Board does hereby accept, for the State of California, the said item of "new construction" as aforesaid which has, on the date hereinabove set forth, been turned over to said Board by the War Department, U. S. Engineer Office; and be it further

RESOLVED AND ORDERED, That said work be turned over to Reclamation District No. 1500 for maintenance and operation, as



285

STATE OF CALIFORNIA  
COUNTY OF SACRAMENTO  
Office of The Reclamation Board

} SS.

I, G. F. MELLIN, Assistant Engineer of The Reclamation Board, do hereby certify that the attached and foregoing is a true and correct copy of a resolution duly passed and adopted by said Board at its meeting held January 17, 1945.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of The Reclamation Board this 23<sup>rd</sup> day of January, 1945.

*G. F. Mellin*

G. F. MELLIN

Assistant Engineer & Appraiser  
The Reclamation Board



824.3 (Sec)

(8)

800.13(Sacramento River)PARK-8

15 December 1944

The Reclamation Board  
1100 - O Street  
Sacramento, California

Gentlemen:

Construction of the east levee of the Sacramento River at Missouri Bend (Mile 96.4 to 97.5 L) has been completed. In accordance with standard procedure, it is desired to turn over to the State of California for maintenance by the State Reclamation Board and other local interests concerned, this portion of completed levee construction.

This construction forms an integral part of the Sacramento Flood Control Project and affords flood protection to Reclamation District No. 1500. The details and extent of the work are shown on the following drawings and specifications, copies of which are inclosed:

- (1) Drawing No. 50-4-2226, Sheets 1 and 2
- (2) Specification No. 956, issued as a supplemental agreement, Modification No. 2 to Contract No. W-04-167-eng-602.
- (3) Specification No. 958 containing technical provisions for this work and to which Specification No. 956 is supplemental.

It is requested that receipt of this letter be acknowledged, together with the acceptance by the State of California of the construction. This office will assume that this project has been accepted by the State of California, unless advised to the contrary on or before 1 February 1945.

FOR THE DISTRICT ENGINEER:

Very truly yours,

4 Incls.

- Incl. 1 - Spec. 956
  - Incl. 2 - Spec. 958
  - Incl. 3 - Dwg. No. 50-4-2226, Sheet 1
  - Incl. 4 - Dwg. No. 50-4-2226, Sheet 2
- cc w/cy. incls.: Mr. Edward Hyatt, State Engr.,  
Div. of Water Resources

R. H. Thompson  
Major, Corps of Engineers  
Executive Assistant

cc: ~~Mr. J. C. Thompson, Division~~  
~~Mr. J. C. Thompson, Major~~  
~~Mr. G. A. Smith~~

Manual No. 1

128

Incl. 1

924.3 (SACRAMENTO RIVER) PARK 32 MISSOURI BEND

C  
O  
P  
Y

C  
O  
P  
Y

The Reclamation Board  
State of California  
1100 "O" Street  
Sacramento, California

8 November 1951

Gentlemen:

Reference is made to letter from this office dated 7 August 1951, wherein it was proposed to transfer to the jurisdiction of the State of California eleven units of work located along the Sacramento River in accordance with the procedure set forth in the letter from this office dated 12 February 1951. Reference is also made to joint inspection of these units of work which were made on 14 August 1951. The location of these units are listed as follows:

<u>Bank of</u> <u>Sacramento River</u>	<u>Station</u>	<u>River</u> <u>Mileage</u>
Left	800 / 00 to 699 / 80	102.5
Left	986 / 00 to 902 / 00	106.5

The units of work referred to above, covered by Specification No. 1416, Contract DA-04-167-eng-272, were completed on 21 September 1951, and now meet the requirements of the Sacramento River Flood Control Project. Therefore, said levee units referred to above, together with the river bank contiguous thereto, are hereby transferred to the State of California for maintenance and operation.

NOTE: Only portion pertaining  
to Unit No. 128 contained  
in the above copy.

EXHIBIT F  
Sheet 1 of 15



C  
O  
P  
Y

C  
O  
P  
Y

The Reclamation Board  
State of California  
1100 "O" Street  
Sacramento, California

13 December 1951

Gentlemen:

Reference is made to letter from this office dated 2 November 1951, wherein it was proposed to transfer to the State of California three units of the Sacramento River Flood Control Project in accordance with the procedure set forth in the letter from this office dated 12 February 1951. Reference is also made to the joint inspection of these units of work which was made on 13 November 1951. The location of these three units is described as follows:

a. Part "A", left Bank, Sacramento River, Mile 94.4 to 96.6 on Reclamation District No. 1500, approximately 5 miles upstream from Knights Landing, California.

b. Part "B", Left Bank, Sacramento River, Mile 114.2 to 115.6 on Reclamation District No. 1500, approximately 17 miles downstream from Meridian, California.

c. Part "C", Left Bank, Sacramento River, Mile 116.1 to 117.0 on Reclamation District 1500, approximately 16 miles downstream from Meridian, California.

The work referred to above, covered by Specification No. 1455, Drawing No. 50-4-2733, Contract DA-04-167-eng-485, was completed 16 Nov. 1951, except for completion of the paving on top of the levee which will be done as soon as weather permits. Therefore, said completed units of work, together with the river bank contiguous thereto, are hereby transferred to the State of California for maintenance and operation.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented. As provided under

C  
O  
P  
Y

C  
O  
P  
Y

Paragraph 208.10 (10) of these regulations, a maintenance manual covering these levee units is in process of preparation and will be furnished your Board upon completion.

A copy of this letter is being transferred to the State Engineer.



C  
O  
P  
Y

C  
O  
P  
Y

THE RECLAMATION BOARD  
of the  
STATE OF CALIFORNIA

May 22, 1952

District Engineer  
Sacramento District  
Corps of Engineers, U. S. Army  
P. O. Box 1739  
Sacramento 8, California

Dear Sir:

Reference is made to your letter (1) SPKKO-P 824.3 (Sac.Riv. F.C.P.) 13 Dec 1951, (2) your letter SPKKO-P 824.3 (Sac.Riv F.C.P.) 19 Dec 1951, and (3) your letter SPKKA 824.3 (Sac.Riv. F.C.O.) 13 Dec 1951, Transferring 101 reaches of levee and contiguous banks to The Reclamation Board for flood control operation and maintenance.

On January 2, 1952, The Reclamation Board accepted the transfer of the reaches of levee listed in first tabulation attached and did not accept those reaches of levee and contiguous bank in the second tabulation.

Yours very truly

THE RECLAMATION BOARD

By \_\_\_\_\_  
A. M. Barton

Encl.

Chief Engineer and General Manager

C  
O  
P  
Y

The Reclamation Board  
State of California  
1100 "O" Street  
Sacramento 14, California

13 December 1951

Gentlemen:

Reference is made to your letter of 2 July 1951 acknowledging that certain reaches of the levees of the Sacramento River Flood Control Project and the waterway bank contiguous to said levee reaches meet the requirements of the project as authorized prior to the Flood Control Act of 1944.

The levee reaches in question are located as follows:

a. - - - - -

- - - - -

d. Easterly levee of the Sacramento River

- (48) Mile 91.4 to Mile 92.1
- (49) Mile 92.6 to Mile 92.7
- (50) Mile 92.9 to Mile 94.0
- (51) Mile 97.5 to Mile 97.7
- (53) Mile 97.7 to Mile 97.8
- (54) Mile 99.9 to Mile 102.5
- (55) Mile 103.45 to Mile 103.7
- (56) Mile 103.8 to Mile 104.2
- (57) Mile 104.2 to Mile 104.7
- (58) Mile 104.7 to Mile 105.65
- (59) Mile 110.9 to Mile 111.5
- (60) Mile 118.4 to Mile 118.6 (South End Tisdale Weir).

The records of this office show that your Board has accepted the levees and/or works covered by Items d. (14), d.(15), d.(16), d.(28), d.(50), d.(52), d.(54), d.(57), d.(59), d.(61), h.(3), h.(5), h.(7), h.(9), i, m, n, o, s, q, r, and a above, as complete. Accordingly, the waterway bank contiguous to paid items is hereby transferred to the State of California for maintenance and operation.

The levee covered by Items a. to c., inclusive, d.(1), to d.(13), inclusive, d.(51), d.(53), d.(55), d.(56), d.(58), d.(58), d.(60), c., f., g., h.(1), h.(2), h.(4), h.(6), h.(8) and j to l., inclusive, above although complete has not been formally transferred as contemplated by the Project



C  
O  
P  
Y

C  
O  
P  
Y

documents. Accordingly, the levee covered by said Items, together with the waterway bank contiguous thereto, is hereby transferred to the State of California for maintenance and operation.

FOR THE DISTRICT ENGINEER:

Sincerely yours

H. R. Reifsnyder  
Lt. Colonel, Corps of Engineers  
Executive Officer

Note: Only items  
pertaining to Unit  
No. 128 contained  
in the above copy

C  
O  
P  
Y

C  
O  
P  
Y

SPKKO-P 824.3 (Sac.Riv.F.C.P.)

21 January 1955

The Reclamation Board  
State of California  
1100 "O" Street  
Sacramento, California

Gentlemen:

Reference is made to the District Engineer's letters dated 3 and 9 December 1954 suggesting a joint inspection of certain levee section pertaining to the Sacramento River Flood Control Project, for the purpose of transferring them to the jurisdiction of the State of California for operation and maintenance. Reference is also made to the joint inspection of these levee sections made on 13 December 1954.

The levee sections referred to above have been recently completed and are listed as follows:

a. Easterly Levee, Sacramento Rivers

<u>Levee Section No.</u>	<u>Contract No.</u>	<u>DA-O4-167-eng Drawing File No.</u>	<u>River Miles Point</u>
423	1123	50-4-2918	97.4 to 97.5
424	1123 & 1130	50-4-2920	97.8 to 99.0
425	1126	50-4-3011	103.7 to 103.38
426	1123	50-4-2922	111.5 to 111.95
427	1136	50-4-3011	112.39 to 113.42
428	1123	50-4-2923	117.0 to 118.4
429	1123	50-4-2924	139.3 to 140.2



C  
O  
P  
Y

C  
O  
P  
Y

SPKKO-P  
The Reclamation Board

b. Westerly Levee, Sacramento River:

<u>Levee Section No.</u>	<u>DA-04-167-eng Contract No.</u>	<u>Drawing File No.</u>	<u>River Mils Point.</u>
430	1123	50-4-2919	97.45 to 97.79
431	1123	50-4-7921	99.55 to 100.6
432	1136	50-4-3011	119.7 to 120.4

The levee sections, No. 432 inclusive, described above now meet the requirements of the Sacramento River Flood Control Project, therefore said levees sections, together with the waterway banks contiguous thereto, are hereby transferred to the State of California for operation and maintenance.

In addition to the above, recent surveys indicate that the levee section described below also meets the requirements of the Sacramento River Flood Control Project:

<u>Levee Section No.</u>	<u>Description</u>
433	Easterly Levee-Sacramento River, Mile 94.0 to 94.4

Therefore, said levee section No. 433, together with the waterway bank contiguous thereto, is also hereby transferred to the State of California for operation and maintenance.

It is to be noted that the levee sections described above combined with other sections previously transferred to your jurisdiction now form long continuous levee reaches at the locations listed below and as shown on inclosed chart entitled: "Sacramento River Flood Control Project - Levee Sections Transferred to the State of California, "Sheet No. 2 and 3.

Easterly Levee, Sacramento River:

From River Mile 92.9 to 104.95  
From River Mile 116.1 to 122.6  
From River Mile 123.1 to 143.3

Westerly Levee, Sacramento River:

From River Mile 99.55 to 101.4  
From River Mile 119.2 to 123.6

C  
O  
P  
Y

SPKKO-P  
The Reclamation Board

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations, inclosed herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented by the current issue of the Standard Operation Manual for the Sacramento River Flood Control Project. As provided under Paragraph 268.10 (10) of these regulations, a supplement to the Standard Operation and Maintenance Manual covering these units of work is in process of preparation and will be furnished to you upon completion.

A copy of this letter is being transmitted to the State Engineer.

Sincerely yours,

WM. J. ELY  
Col. CE  
District Engineer



C  
O  
P  
Y  
SPKKC-P DA-04-167-eng-1180

17 August 1955

The Reclamation Board  
State of California  
1100 "O" Street  
Sacramento, California

Gentlemen:

Reference is made to the District Engineer's letter dated 21 January 1955, whereby several levee sections, including Sites Nos. 4, 6, and 7 of Contract No. DA-04-167-eng-1180, pertaining to the Sacramento River Flood Control Project, were transferred to the Jurisdiction of the State of California for operation and Maintenance.

The remaining sites, Nos. 1, 2, 3, and 5, covered by said Contract No. DA-04-167-eng-1180, specification No. 1845 and Drawing No. 50-4-3008, were completed on 22 July 1955. A joint inspection of these sites was made on 28 June 1955. The locations of said sites, Nos. 1, 2, 3, and 5, are described as follows:

Levee Section No.	Drawing 50-4-3008		River Mile Points	Work Covered by Contract	
	Site No.	Waterway		Right or Left Bank	Traverse Sta.
457	1	Sacramento River	92.7 to 92.9	Left	-0/80 to 16/80
458	2	" "	93.76 to 94.04	Right	223/00 to 238/90
459	3	" "	95.85 to 96.25	Right	1/10 to 349/00
460	5	" "	99.27 to 99.62	Right	-27/00 to -10/00

The levee sections, Nos. 457 to 460 inclusive, described above, now meet the requirements of the Sacramento River Flood Control Projects; therefore, said levee sections together with the waterway banks contiguous thereto, are hereby transferred to the State of California for operation and maintenance. It is to be noted that the levee section No. 457 listed above, combined with others previously transferred to your jurisdiction.

C  
O  
P  
Y

C  
O  
P  
Y

SPKKO-P DA-40-167-eng-1180  
The Reclamation Board

now forms a continuous completed levee reach along the left bank of the Sacramento River extending from River Mile 92.6 to 106.95.

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations, inclosed herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented by the current issue of the Standard Operation and Maintenance Manual for the Sacramento River Flood Control Project. As provided under Paragraph 208.10 (10) of these regulations, a supplement to the Standard Operation and Maintenance Manual covering these units of work is in process of preparation and will be furnished to you upon completion.

A copy of this letter is being transmitted to the State Engineer.

Sincerely yours,

WM. J. ELY  
Col. CE  
District Engineer



C  
O  
P  
Y

SPKKO-P 824.3 (Sac. Riv. F.C.P.)

30 Nov 1956

The Reclamation Board  
State of California  
1215 "O" Street  
Sacramento, California

Gentlemen:

Reference is made to the District Engineer's letter dated 5 November 1956 suggesting a joint inspection of certain levee sections pertaining to the Sacramento River Flood Control Project, for the purpose of transferring them to the jurisdiction of the State of California for operation and maintenance. Reference is also made to the joint inspection of these levee sections made on 7 November 1956.

The required work on the levee sections referred to above was completed on 17 November 1956 in accordance with Specification No. 2006, Contract No. DA-04-167-CIVENG-56-196 and Drawing Nos. 50-4-3058, 50-4-3059, 50-4-3065. These levee sections on the Sacramento River are listed as follows:

<u>Levee Section No.</u>	<u>Location No.</u>	<u>Drawing File No.</u>	<u>River Mile points</u>	<u>Right or Left Bank</u>
487	A	50-4-3059	102.0 to 107.4	Right
488	B	50-4-3059	107.4 to 108.9	Right
489	C	50-4-3062	110.4 to 110.9	Left
490	D	50-4-3058	122.4 to 123.1	Left

The levee sections, Nos. 487 to 490 inclusive, described above, now meet the requirements of the Sacramento River Flood Control Project, therefore said levee sections, together with the waterway banks contiguous thereto are hereby transferred to the State of California for operation and maintenance.

EXHIBIT F  
Sheet 12 of 15

C  
O  
P  
Y

C  
O  
P  
Y

SPKKO-P 824.3 (Sac. Riv. F.C.P.)  
The Reclamation Board

The maintenance work required under the provisions of the Sacramento River Flood Control Project shall be performed in accordance with existing Flood Control Regulations, inclosed herewith, which have been prescribed by the Secretary of the Army pursuant to Section 3 of the Act of Congress, approved 22 June 1936, as amended and supplemented by the current issue of the Standard Operation and Maintenance Manual for the Sacramento River Control Project. As provided under Paragraph 206.10 (10) of these regulations, a supplement to the Standard Operation and Maintenance Manual covering these units of work is in process of preparation and will be furnished to you upon completion.

A copy of this letter is being transmitted to the Department of Water Resources.

Sincerely yours,

A. E. McCOLLAM  
Colonel, CE  
District Engineer



C  
O  
P  
Y

THE RECLAMATION BOARD  
of the  
STATE OF CALIFORNIA

January 26, 1959

District Engineer  
Sacramento District  
U. S. Corps of Engineers  
P. O. Box 1739  
Sacramento 6, California

Dear Sir:

Reference is made to your letter of December 15, 1958, file number SPKKO-P 824.3 (Sac. Riv. FCP), regarding the responsibility for operation and maintenance of the levee sections located on the left bank of the Sacramento River as follows:

<u>LEVEE SECTION NO.</u>	<u>RIVER MILE POINTS</u>
632	115.6 to 116.1
633	113.4 to 114.2
634	112.0 to 112.5
635	106.9 to 110.4
636	88.66 to 88.92
637	87.9 to 88.21
638	86.92 to 89.35
639	87.50 to 87.90

The Reclamation Board, at its meeting of January 2, 1959, formally accepted the maintenance responsibility of levee sections 632 to 639 inclusive in the area described in the second paragraph of your letter under the conditions outlined in your letter.

Yours very truly,

THE RECLAMATION BOARD  
A. M. BARTON  
Chief Engineer and General Manager

By \_\_\_\_\_  
WILLIAM A. CARVER  
Assistant Secretary

EXHIBIT F  
Sheet 14 of 15

C  
O  
P  
Y

THE RECLAMATION BOARD  
if the  
STATE OF CALIFORNIA

November 10, 1959 ✓

District Engineer  
Sacramento District  
Corps of Engineers, U. S. Army  
P. O. Box 1739  
Sacramento 8, California

Dear Sir:

Reference is made to your letter of September 16, 1959,  
File No. SPKKO-P, regarding transfer to the State of levee sections  
on the left bank of the Sacramento River at the locations listed  
below:

<u>Levee Section Number</u>	<u>Site No.</u>	<u>River Mile Points</u>
641	E	90.2 to 92.6
642	F	89.82 to 91.5
643	G	89.35 to 89.64
644	#1	89.64 to 89.82

The Reclamation Board at its meeting of September 23,  
1959, formally accepted these levee sections for operations and  
maintenance.

Sincerely yours,

HSE:fmb

A. N. MURRAY  
General Manager and Chief Engineer

EXHIBIT F  
Sheet 15<sup>a</sup> of 15



EXHIBIT G

SUGGESTED SEIM-ANNUAL REPORT FORM

EXHIBIT G

COPY

CORPS OF ENGINEERS, U. S. ARMY  
Office of the District Engineer  
SACRAMENTO DISTRICT  
Wright Bldg., 1209-8th St.  
Sacramento, California

TO: The District Engineer  
Sacramento District  
Corps of Engineer  
1209-8th Street  
Sacramento, California

(1 May 19\_\_)  
(1 Nov. 19\_\_)

Dear Sir:

The semi-annual report for the period (1 May 19\_\_ to 31 October 19\_\_),  
(1 November 19\_\_ to 30 April 19\_\_), Unit No. 128, Lt. Bank of Sacramento  
River in Reclamation District No. 1500.

a. The physical condition of the protective works is indicated by  
the inspector's report, copies of which are inclosed, and may be summ-  
arized as follows:

(Superintendent's summary of conditions)

It is our intention to perform the following maintenance work  
in order to repair or correct the conditions indicated:

(Outline the anticipated maintenance operations for the  
following 6 months).

b. During this report period, major high water periods (water  
level at 48.0 on the gage near Tisdale Weir and 37.0 at the S.P.R.R. at  
Knights Landing) occurred on the following dates:

Dates

Maximum Elevation

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



Comments on the behavior of the protective works during such high water periods are as follows:

(Superintendent's log of flood observations)

During the high water stages when the water level reached a height of \_\_\_\_\_, on the gage or excess thereof (dates) \_\_\_\_\_, it was necessary to organize and carry out flood operations as follows:

(See Maintenance Manual \_\_\_\_\_).

c. The inspections have indicated (no) or (the following) encroachments or trespasses upon the project right-of-way.

d. (No) (\_\_\_\_\_) permits have been issued for (the following) Improvements or construction within the project right-of-way.

Executed copies of the permit documents issued are transmitted for your files.

e. The status of maintenance measures, indicated in the previous semi-annual report as being required or as suggested by the representatives of the District Engineer, is as follows:

(Statement of maintenance operations, item by item with percent completion).

f. The fiscal statement of the Superintendent's operations for the current report period is as follows:

	<u>Labor</u>	<u>Material</u>	<u>Equipment</u>	<u>Overhead</u>	<u>Total</u>
1. Inspection					
2. Maintenance					
3. Flood fighting operations					
TOTAL					

Respectfully submitted,

\_\_\_\_\_  
Superintendent of Works

**EXHIBIT H**

**PROJECT COOPERATION AGREEMENT**



**PROJECT COOPERATION AGREEMENT  
BETWEEN  
THE DEPARTMENT OF THE ARMY  
AND  
THE STATE OF CALIFORNIA  
FOR CONSTRUCTION OF THE  
SEPARABLE ELEMENT, RECLAMATION DISTRICT 1500, OF THE  
MID-VALLEY AREA - PHASE III LEVEE RECONSTRUCTION PROJECT, CALIFORNIA**

THIS AGREEMENT is entered into this 12th day of September 1996 by and between the DEPARTMENT OF THE ARMY (hereinafter the "Government"), represented by the Assistant Secretary of the Army (Civil Works), and the State of California (hereinafter the "Non-Federal Sponsor"), represented by the President of The Reclamation Board

**WITNESSETH, THAT:**

WHEREAS, construction of the Mid-Valley Area - Phase III Levee Reconstruction Project at Reclamation District No. 1500, located about 30 miles northwest of Sacramento, California, at an area bounded to the north by the Tisdale Weir and Bypass, to the south and west by the Sacramento River from about River Mile 84 to River Mile 118, and to the east by the Sutter Bypass River Mile from about River Mile 56 to River Mile 76, was authorized by the Flood Control Acts of 1917, 1928, and 1941 as well as the Rivers and Harbors Act of 1937;

WHEREAS, the Government and the Non-Federal Sponsor desire to enter into a Project Cooperation Agreement for construction of the Mid-Valley Area - Phase III Levee Reconstruction Project at Reclamation District No. 1500, California (hereinafter the "Project", as defined in Article I.A. of this Agreement);

WHEREAS, Section 103 of the Water Resources Development Act of 1986, Public Law 99-662, as amended, specifies the cost-sharing requirements applicable to the Project;

WHEREAS, Section 221 of the Flood Control Act of 1970, Public Law 91-611, as amended, and Section 103 of the Water Resources Development Act of 1986, Public Law 99-662, as amended, provide that the Secretary of the Army shall not commence construction of any water resources project, or separable element thereof, until each non-Federal sponsor has entered into a written agreement to furnish its required cooperation for the project or separable element;

WHEREAS, the Non-Federal Sponsor does not qualify for a reduction of the maximum non-Federal cost share pursuant to the guidelines that implement Section 103(m) of the Water Resources Development Act of 1986, Public Law 99-662, as amended;

WHEREAS, the Government and Non-Federal Sponsor have the full authority and capability to perform as hereinafter set forth and intend to cooperate in cost-sharing and financing of the construction of the Project in accordance with the terms of this Agreement.



NOW, THEREFORE, the Government and the Non-Federal Sponsor agree as follows:

## ARTICLE I - DEFINITIONS AND GENERAL PROVISIONS

For purposes of this Agreement:

A. The term "Project" shall mean the reconstruction of the existing Sacramento River Flood Control Project levees at Reclamation District No. 1500 and the establishment of a mitigation site(s) on approximately ten acres of land. The project consists of 6.28 miles of levee reconstruction at the following locations: Site 1 on the right bank of the Sutter Bypass from Levee Mile 17.9 to 18.6, Site 2 on the right bank of the Sutter Bypass from Levee Mile 13.75 - 14.75, Sites 2-1 through 2-10 on the right bank of the Sutter Bypass from Levee Mile 4.22 to 17.14, Site 3 on the right bank of the Sutter Bypass from Levee Mile 2.0 to 3.0, Site 4 on the left bank of the Sacramento River from River Mile 116.2 to 117.2, Site 5 on the left bank of the Sacramento River from River Mile 109.9 to 110.5, Site 6 on the left bank of the Sacramento River from River Mile 104.8 to 105.7, Site 7 on the left bank of the Sacramento River from River Mile 85.2 to 85.9. The above levee reconstruction in Reclamation District 1500 is as generally described in the Sacramento River Flood Control Project, California, Mid-Valley Area, Phase III, Design Memorandum, dated March 1996 and approved by the Chief of Engineers on 16 August, 1996.

B. The term "total project costs" shall mean all costs incurred by the Non-Federal Sponsor and the Government in accordance with the terms of this Agreement directly related to construction of the Project. Subject to the provisions of this Agreement, the term shall include, but is not necessarily limited to: continuing planning and engineering costs incurred after October 1, 1985; advanced engineering and design costs; preconstruction engineering and design costs; engineering and design costs during construction; the costs of investigations to identify the existence and extent of hazardous substances in accordance with Article XV.A. of this Agreement; costs of historic preservation activities in accordance with Article XVIII.A. of this Agreement; actual construction costs, including the costs of alteration, lowering, raising, or replacement and attendant removal of existing railroad bridges and approaches thereto; supervision and administration costs; costs of participation in the Project Coordination Team in accordance with Article V of this Agreement; costs of contract dispute settlements or awards; the value of lands, easements, rights-of-way, relocations, and suitable borrow and dredged or excavated material disposal areas for which the Government affords credit in accordance with Article IV of this Agreement; and costs of audit in accordance with Article X of this Agreement. The term does not include any costs for operation, maintenance, repair, replacement, or rehabilitation; any costs due to betterments; or any costs of dispute resolution under Article VII of this Agreement.

C. The term "financial obligation for construction" shall mean a financial obligation of the Government, other than an obligation pertaining to the provision of lands, easements, rights-of-way, relocations, and borrow and dredged or excavated material disposal areas, that results or would result in a cost that is or would be included in total project costs.

D. The term "non-Federal proportionate share" shall mean the ratio of the Non-Federal Sponsor's total cash contribution required in accordance with Articles II.D.1. and II.D.3. of this Agreement to total financial obligations for construction, as projected by the Government.

E. The term "period of construction" shall mean the time from the date the Government first notifies the Non-Federal Sponsor in writing, in accordance with Article VI.B. of this Agreement, of the scheduled date for issuance of the solicitation for the first construction contract to the date that the U.S. Army Engineer for the Sacramento District (hereinafter the "District Engineer") notifies the Non-Federal Sponsor in writing of the Government's determination that construction of the Project is complete.

F. The term "highway" shall mean any public highway, roadway, street, or way, including any bridge thereof.

G. The term "relocation" shall mean providing a functionally equivalent facility to the owner of an existing utility, cemetery, highway or other public facility, or railroad (excluding existing railroad bridges and approaches thereto) when such action is authorized in accordance with applicable legal principles of just compensation or as otherwise provided in the authorizing legislation for the Project or any report referenced therein. Providing a functionally equivalent facility may take the form of alteration, lowering, raising, or replacement and attendant removal of the affected facility or part thereof.

H. The term "fiscal year" shall mean one fiscal year of the Government. The Government fiscal year begins on October 1 and ends on September 30.

I. The term "functional portion of the Project" shall mean a portion of the Project that is suitable for tender to the Non-Federal Sponsor to operate and maintain in advance of completion of the entire Project. For a portion of the Project to be suitable for tender, the District Engineer must notify the Non-Federal Sponsor in writing of the Government's determination that the portion of the Project is complete and can function independently and for a useful purpose, although the balance of the Project is not complete.

J. The term "betterment" shall mean a change in the design and construction of an element of the Project resulting from the application of standards that the



Government determines exceed those that the Government would otherwise apply for accomplishing the design and construction of that element.

## ARTICLE II - OBLIGATIONS OF THE GOVERNMENT AND THE Non-Federal Sponsor

A. The Government, subject to receiving funds appropriated by the Congress of the United States (hereinafter, the "Congress") and using those funds and funds provided by the Non-Federal Sponsor, shall expeditiously construct the Project (including alteration, lowering, raising, or replacement and attendant removal of existing railroad bridges and approaches thereto), applying those procedures usually applied to Federal projects, pursuant to Federal laws, regulations, and policies.

1. The Government shall afford the Non-Federal Sponsor the opportunity to review and comment on the solicitations for all contracts, including relevant plans and specifications, prior to the Government's issuance of such solicitations. The Government shall not issue the solicitation for the first construction contract until the Non-Federal Sponsor has confirmed in writing its willingness to proceed with the Project. To the extent possible, the Government shall afford the Non-Federal Sponsor the opportunity to review and comment on all contract modifications, including change orders, prior to the issuance to the contractor of a Notice to Proceed. In any instance where providing the Non-Federal Sponsor with notification of a contract modification or change order is not possible prior to issuance of the Notice to Proceed, the Government shall provide such notification in writing at the earliest date possible. To the extent possible, the Government also shall afford the Non-Federal Sponsor the opportunity to review and comment on all contract claims prior to resolution thereof. The Government shall consider in good faith the comments of the Non-Federal Sponsor, but the contents of solicitations, award of contracts, execution of contract modifications, issuance of change orders, resolution of contract claims, and performance of all work on the Project (whether the work is performed under contract or by Government personnel), shall be exclusively within the control of the Government.

2. Throughout the period of construction, the District Engineer shall furnish the Non-Federal Sponsor with a copy of the Government's Written Notice of Acceptance of Completed Work for each contract for the Project.

3. Notwithstanding paragraph A.1. of this Article, if, upon the award of any contract for construction of the Project, cumulative financial obligations for construction would exceed \$11,700,000, the Government and the Non-Federal Sponsor agree to defer award of that contract and all subsequent contracts for construction of the Project until such time as the Government and the Non-Federal Sponsor agree to proceed with further contract awards for the Project, but in no event shall the award of contracts be deferred for more than three years. Notwithstanding this general provision for deferral of contract awards, the Government, after consultation with the Non-Federal Sponsor, may award a contract or contracts after the

Assistant Secretary of the Army (Civil Works) makes a written determination that the award of such contract or contracts must proceed in order to comply with law or to protect life or property from imminent and substantial harm.

B. The Non-Federal Sponsor may request the Government to accomplish betterments. Such requests shall be in writing and shall describe the betterments requested to be accomplished. If the Government in its sole discretion elects to accomplish the requested betterments or any portion thereof, it shall so notify the Non-Federal Sponsor in a writing that sets forth any applicable terms and conditions, which must be consistent with this Agreement. In the event of conflict between such a writing and this Agreement, this Agreement shall control. The Non-Federal Sponsor shall be solely responsible for all costs due to the requested betterments and shall pay all such costs in accordance with Article VI.C. of this Agreement.

C. When the District Engineer determines that the entire Project is complete or that a portion of the Project has become a functional portion of the Project, the District Engineer shall so notify the Non-Federal Sponsor in writing and furnish the Non-Federal Sponsor with an Operation, Maintenance, Repair, Replacement, and Rehabilitation Manual (hereinafter the "OMRR&R Manual") and with copies of all of the Government's Written Notices of Acceptance of Completed Work for all contracts for the Project or the functional portion of the Project that have not been provided previously. Upon such notification, the Non-Federal Sponsor shall operate, maintain, repair, replace, and rehabilitate the entire Project or the functional portion of the Project in accordance with Article VIII of this Agreement.

D. The Non-Federal Sponsor shall contribute a minimum of 25 percent, but not to exceed 50 percent, of total project costs in accordance with the provisions of this paragraph.

1. The Non-Federal Sponsor shall provide a cash contribution equal to 5 percent of total project costs in accordance with Article VI.B. of this Agreement.

2. In accordance with Article III of this Agreement, the Non-Federal Sponsor shall provide all lands, easements, rights-of-way, and suitable borrow and dredged or excavated material disposal areas that the Government determines the Non-Federal Sponsor must provide for the construction, operation, and maintenance of the Project, and shall perform or ensure performance of all relocations that the Government determines to be necessary for the construction, operation, and maintenance of the Project.

3. If the Government projects that the value of the Non-Federal Sponsor's contributions under paragraphs D.1. and D.2. of this Article and Articles V, X, and XV.A. of this Agreement will be less than 25 percent of total project costs, the Non-Federal Sponsor shall provide an additional cash contribution, in accordance with



Article VI.B. of this Agreement, in the amount necessary to make the Non-Federal Sponsor's total contribution equal to 25 percent of total project costs.

4. If the Government determines that the value of the Non-Federal Sponsor's contributions provided under paragraphs D.2. and D.3. of this Article and Articles V, X, and XV.A. of this Agreement has exceeded 45 percent of total project costs, the Government, subject to the availability of funds, shall reimburse the Non-Federal Sponsor for any such value in excess of 45 percent of total project costs. After such a determination, the Government, in its sole discretion, may provide any remaining Project lands, easements, rights-of-way, and suitable borrow and dredged or excavated material disposal areas and perform any remaining Project relocations on behalf of the Non-Federal Sponsor.

E. The Non-Federal Sponsor may request the Government to provide lands, easements, rights-of-way, and suitable borrow and dredged or excavated material disposal areas or perform relocations on behalf of the Non-Federal Sponsor. Such requests shall be in writing and shall describe the services requested to be performed. If in its sole discretion the Government elects to perform the requested services or any portion thereof, it shall so notify the Non-Federal Sponsor in a writing that sets forth any applicable terms and conditions, which must be consistent with this Agreement. In the event of conflict between such a writing and this Agreement, this Agreement shall control. The Non-Federal Sponsor shall be solely responsible for all costs of the requested services and shall pay all such costs in accordance with Article VI.C of this Agreement. Notwithstanding the provision of lands, easements, rights-of-way, and suitable borrow and dredged or excavated material disposal areas or performance of relocations by the Government, the Non-Federal Sponsor shall be responsible, as between the Government and the Non-Federal Sponsor, for the costs of cleanup and response in accordance with Article XV.C of this Agreement.

F. The Government shall perform a final accounting in accordance with Article VI.D. of this Agreement to determine the contributions provided by the Non-Federal Sponsor in accordance with paragraphs B., D., and E. of this Article and Articles V, X, and XV.A. of this Agreement and to determine whether the Non-Federal Sponsor has met its obligations under paragraphs B., D., and E. of this Article.

G. The Non-Federal Sponsor shall not use Federal funds to meet the Non-Federal Sponsor's share of total project costs under this Agreement unless the Federal granting agency verifies in writing that the expenditure of such funds is expressly authorized by statute.

H. The Non-Federal Sponsor agrees to participate in and comply with applicable Federal floodplain management and flood insurance programs.

I. Not less than once each year the Non-Federal Sponsor shall inform affected interests of the extent of protection afforded by the Project.

J. The Non-Federal Sponsor shall publicize flood plain information in the area concerned and shall provide this information to zoning and other regulatory agencies for their use in preventing unwise future development in the flood plain and in adopting such regulations as may be necessary to prevent unwise future development and to ensue compatibility with protection levels provided by the Project.

### **ARTICLE III - LANDS, RELOCATIONS, DISPOSAL AREAS, AND PUBLIC LAW 91-646 COMPLIANCE**

A. The Government, after consultation with the Non-Federal Sponsor, shall determine the lands, easements, and rights-of-way required for the construction, operation, and maintenance of the Project, including those required for relocations, borrow materials, and dredged or excavated material disposal. The Government in a timely manner shall provide the Non-Federal Sponsor with general written descriptions, including maps as appropriate, of the lands, easements, and rights-of-way that the Government determines the Non-Federal Sponsor must provide, in detail sufficient to enable the Non-Federal Sponsor to fulfill its obligations under this paragraph, and shall provide the Non-Federal Sponsor with a written notice to proceed with acquisition of such lands, easements, and rights-of-way. Prior to the end of the period of construction, the Non-Federal Sponsor shall acquire all lands, easements, and rights-of-way set forth in such descriptions. Furthermore, prior to issuance of the solicitation for each construction contract, the Non-Federal Sponsor shall provide the Government with authorization for entry to all lands, easements, and rights-of-way the Government determines the Non-Federal Sponsor must provide for that contract. For so long as the Project remains authorized, the Non-Federal Sponsor shall ensure that lands, easements, and rights-of-way that the Government determines to be required for the operation and maintenance of the Project and that were provided by the Non-Federal Sponsor are retained in public ownership for uses compatible with the authorized purposes of the Project.

B. The Government, after consultation with the Non-Federal Sponsor, shall determine the improvements required on lands, easements, and rights-of-way to enable the proper disposal of dredged or excavated material associated with the construction, operation, and maintenance of the Project. Such improvements may include, but are not necessarily limited to, retaining dikes, wasteweirs, bulkheads, embankments, monitoring features, stilling basins, and de-watering pumps and pipes. The Government in a timely manner shall provide the Non-Federal Sponsor with general written descriptions of such improvements in detail sufficient to enable the Non-Federal Sponsor to fulfill its obligations under this paragraph, and shall provide the Non-Federal Sponsor with a written notice to proceed with construction of such improvements. Prior to the end of the period of construction, the Non-Federal Sponsor



shall provide all improvements set forth in such descriptions. Furthermore, prior to issuance of the solicitation for each Government construction contract, the Non-Federal Sponsor shall prepare plans and specifications for all improvements the Government determines to be required for the proper disposal of dredged or excavated material under that contract, submit such plans and specifications to the Government for approval, and provide such improvements in accordance with the approved plans and specifications.

C. The Government, after consultation with the Non-Federal Sponsor, shall determine the relocations necessary for the construction, operation, and maintenance of the Project, including those necessary to enable the removal of borrow materials and the proper disposal of dredged or excavated material. The Government in a timely manner shall provide the Non-Federal Sponsor with general written descriptions, including maps as appropriate, of such relocations in detail sufficient to enable the Non-Federal Sponsor to fulfill its obligations under this paragraph, and shall provide the Non-Federal Sponsor with a written notice to proceed with such relocations. Prior to the end of the period of construction, the Non-Federal Sponsor shall perform or ensure the performance of all relocations as set forth in such descriptions. Furthermore, prior to issuance of the solicitation for each Government construction contract, the Non-Federal Sponsor shall prepare or ensure the preparation of plans and specifications for, and perform or ensure the performance of, all relocations the Government determines to be necessary for that contract.

D. The Non-Federal Sponsor in a timely manner shall provide the Government with such documents as are sufficient to enable the Government to determine the value of any contribution provided pursuant to paragraphs A., B., or C. of this Article. Upon receipt of such documents the Government, in accordance with Article IV of this Agreement and in a timely manner, shall determine the value of such contribution, include such value in total project costs, and afford credit for such value toward the Non-Federal Sponsor's share of total project costs.

E. The Non-Federal Sponsor shall comply with the applicable provisions of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, Public Law 91-646, as amended by Title IV of the Surface Transportation and Uniform Relocation Assistance Act of 1987 (Public Law 100-17), and the Uniform Regulations contained in 49 C.F.R. Part 24, in acquiring lands, easements, and rights-of-way required for the construction, operation, and maintenance of the Project, including those necessary for relocations, borrow materials, and dredged or excavated material disposal, and shall inform all affected persons of applicable benefits, policies, and procedures in connection with said Act.

#### ARTICLE IV - CREDIT FOR VALUE OF LANDS, RELOCATIONS, AND DISPOSAL AREAS

A. The Non-Federal Sponsor shall receive credit toward its share of total project costs for the value of the lands, easements, rights-of-way, and suitable borrow and dredged or excavated material disposal areas that the Non-Federal Sponsor must provide pursuant to Article III of this Agreement, and for the value of the relocations that the Non-Federal Sponsor must perform or for which it must ensure performance pursuant to Article III of this Agreement. However, the Non-Federal Sponsor shall not receive credit for the value of any lands, easements, rights-of-way, relocations, or borrow and dredged or excavated material disposal areas that have been provided previously as an item of cooperation for another Federal project. The Non-Federal Sponsor also shall not receive credit for the value of lands, easements, rights-of-way, relocations, or borrow and dredged or excavated material disposal areas to the extent that such items are provided using Federal funds unless the Federal granting agency verifies in writing that such credit is expressly authorized by statute.

B. For the sole purpose of affording credit in accordance with this Agreement, the value of lands, easements, and rights-of-way, including those necessary for relocations, borrow materials, and dredged or excavated material disposal, shall be the fair market value of the real property interests, plus certain incidental costs of acquiring those interests, as determined in accordance with the provisions of this paragraph.

1. Date of Valuation. The fair market value of lands, easements, or rights-of-way owned by the Non-Federal Sponsor on the effective date of this Agreement shall be the fair market value of such real property interests as of the date the Non-Federal Sponsor provides the Government with authorization for entry thereto. The fair market value of lands, easements, or rights-of-way acquired by the Non-Federal Sponsor after the effective date of this Agreement shall be the fair market value of such real property interests at the time the interests are acquired.

2. General Valuation Procedure. Except as provided in paragraph B.3. of this Article, the fair market value of lands, easements, or rights-of-way shall be determined in accordance with paragraph B.2.a. of this Article, unless thereafter a different amount is determined to represent fair market value in accordance with paragraph B.2.b. of this Article.

a. The Non-Federal Sponsor shall obtain, for each real property interest, an appraisal that is prepared by a qualified appraiser who is acceptable to the Non-Federal Sponsor and the Government. The appraisal must be prepared in accordance with the applicable rules of just compensation, as specified by the Government. The fair market value shall be the amount set forth in the Non-Federal Sponsor's appraisal, if such appraisal is approved by the Government. In the event the Government does not approve the Non-Federal Sponsor's appraisal, the Non-Federal Sponsor may obtain a second appraisal, and the fair market value shall be the amount set forth in the Non-Federal Sponsor's second appraisal, if such appraisal is approved by the Government. In the event the Government does not approve the Non-Federal



Sponsor's second appraisal, or the Non-Federal Sponsor chooses not to obtain a second appraisal, the Government shall obtain an appraisal, and the fair market value shall be the amount set forth in the Government's appraisal, if such appraisal is approved by the Non-Federal Sponsor. In the event the Non-Federal Sponsor does not approve the Government's appraisal, the Government, after consultation with the Non-Federal Sponsor, shall consider the Government's and the Non-Federal Sponsor's appraisals and determine an amount based thereon, which shall be deemed to be the fair market value.

b. Where the amount paid or proposed to be paid by the Non-Federal Sponsor for the real property interest exceeds the amount determined pursuant to paragraph B.2.a. of this Article, the Government, at the request of the Non-Federal Sponsor, shall consider all factors relevant to determining fair market value and, in its sole discretion, after consultation with the Non-Federal Sponsor, may approve in writing an amount greater than the amount determined pursuant to paragraph B.2.a. of this Article, but not to exceed the amount actually paid or proposed to be paid. If the Government approves such an amount, the fair market value shall be the lesser of the approved amount or the amount paid by the Non-Federal Sponsor, but no less than the amount determined pursuant to paragraph B.2.a. of this Article.

3. Eminent Domain Valuation Procedure. For lands, easements, or rights-of-way acquired by eminent domain proceedings instituted after the effective date of this Agreement, the Non-Federal Sponsor shall, prior to instituting such proceedings, submit to the Government notification in writing of its intent to institute such proceedings and an appraisal of the specific real property interests to be acquired in such proceedings. The Government shall have 60 days after receipt of such a notice and appraisal within which to review the appraisal, if not previously approved by the Government in writing.

a. If the Government previously has approved the appraisal in writing, or if the Government provides written approval of, or takes no action on, the appraisal within such 60-day period, the Non-Federal Sponsor shall use the amount set forth in such appraisal as the estimate of just compensation for the purpose of instituting the eminent domain proceeding.

b. If the Government provides written disapproval of the appraisal, including the reasons for disapproval, within such 60-day period, the Government and the Non-Federal Sponsor shall consult in good faith to promptly resolve the issues or areas of disagreement that are identified in the Government's written disapproval. If, after such good faith consultation, the Government and the Non-Federal Sponsor agree as to an appropriate amount, then the Non-Federal Sponsor shall use that amount as the estimate of just compensation for the purpose of instituting the eminent domain proceeding. If, after such good faith consultation, the Government and the Non-Federal Sponsor cannot agree as to an appropriate amount, then the Non-Federal

Sponsor may use the amount set forth in its appraisal as the estimate of just compensation for the purpose of instituting the eminent domain proceeding.

c. For lands, easements, or rights-of-way acquired by eminent domain proceedings instituted in accordance with sub-paragraph B.3. of this Article, fair market value shall be either the amount of the court award for the real property interests taken, to the extent the Government determined such interests are required for the construction, operation, and maintenance of the Project, or the amount of any stipulated settlement or portion thereof that the Government approves in writing.

4. Incidental Costs. For lands, easements, or rights-of-way acquired by the Non-Federal Sponsor within a five-year period preceding the effective date of this Agreement, or at any time after the effective date of this Agreement, the value of the interest shall include the documented incidental costs of acquiring the interest, as determined by the Government, subject to an audit in accordance with Article X.C. of this Agreement to determine reasonableness, allocability, and allowability of costs. Such incidental costs shall include, but not necessarily be limited to, closing and title costs, appraisal costs, survey costs, attorney's fees, plat maps, and mapping costs, as well as the actual amounts expended for payment of any Public Law 91-646 relocation assistance benefits provided in accordance with Article III.E. of this Agreement.

C. After consultation with the Non-Federal Sponsor, the Government shall determine the value of relocations in accordance with the provisions of this paragraph.

1. For a relocation other than a highway, the value shall be only that portion of relocation costs that the Government determines is necessary to provide a functionally equivalent facility, reduced by depreciation, as applicable, and by the salvage value of any removed items.

2. For a relocation of a highway, the value shall be only that portion of relocation costs that would be necessary to accomplish the relocation in accordance with the design standard that the State of California would apply under similar conditions of geography and traffic load, reduced by the salvage value of any removed items.

3. Relocation costs shall include, but not necessarily be limited to, actual costs of performing the relocation; planning, engineering and design costs; supervision and administration costs; and documented incidental costs associated with performance of the relocation, but shall not include any costs due to betterments, as determined by the Government, nor any additional cost of using new material when suitable used material is available. Relocation costs shall be subject to an audit in accordance with Article X.C. of this Agreement to determine reasonableness, allocability, and allowability of costs.



D. The value of the improvements made to lands, easements, and rights-of-way for the proper disposal of dredged or excavated material shall be the costs of the improvements, as determined by the Government, subject to an audit in accordance with Article X.C. of this Agreement to determine reasonableness, allocability, and allowability of costs. Such costs shall include, but not necessarily be limited to, actual costs of providing the improvements; planning, engineering and design costs; supervision and administration costs; and documented incidental costs associated with providing the improvements, but shall not include any costs due to betterments, as determined by the Government.

#### ARTICLE V - PROJECT COORDINATION TEAM

A. To provide for consistent and effective communication, the Non-Federal Sponsor and the Government, not later than 30 days after the effective date of this Agreement, shall appoint named senior representatives to a Project Coordination Team. Thereafter, the Project Coordination Team shall meet regularly until the end of the period of construction. The Government's Project Manager and a counterpart named by the Non-Federal Sponsor shall co-chair the Project Coordination Team.

B. The Government's Project Manager and the Non-Federal Sponsor's counterpart shall keep the Project Coordination Team informed of the progress of construction and of significant pending issues and actions, and shall seek the views of the Project Coordination Team on matters that the Project Coordination Team generally oversees.

C. Until the end of the period of construction, the Project Coordination Team shall generally oversee the Project, including issues related to design; plans and specifications; scheduling; real property and relocation requirements; real property acquisition; contract awards and modifications; contract costs; the Government's cost projections; final inspection of the entire Project or functional portions of the Project; preparation of the proposed OMRR&R Manual; anticipated requirements and needed capabilities for performance of operation, maintenance, repair, replacement, and rehabilitation of the Project; and other related matters. This oversight shall be consistent with a project management plan developed by the Government after consultation with the Non-Federal Sponsor.

D. The Project Coordination Team may make recommendations that it deems warranted to the District Engineer on matters that the Project Coordination Team generally oversees, including suggestions to avoid potential sources of dispute. The Government in good faith shall consider the recommendations of the Project Coordination Team. The Government, having the legal authority and responsibility for construction of the Project, has the discretion to accept, reject, or modify the Project Coordination Team's recommendations.

E. The costs of participation in the Project Coordination Team shall be included in total project costs and cost shared in accordance with the provisions of this Agreement.

## ARTICLE VI - METHOD OF PAYMENT

A. The Government shall maintain current records of contributions provided by the parties and current projections of total project costs and costs due to betterments. By April 1 of each year and at least quarterly thereafter, the Government shall provide the Non-Federal Sponsor with a report setting forth all contributions provided to date and the current projections of total project costs, of total costs due to betterments, of the components of total project costs, of each party's share of total project costs, of the Non-Federal Sponsor's total cash contributions required in accordance with Articles II.B., II.D., and II.E. of this Agreement, of the Non-Federal Sponsor's proportionate share, and of the funds the Government projects to be required from the Non-Federal Sponsor for the upcoming fiscal year. On the effective date of this Agreement, total project costs are projected to be \$10,600,000, and the Non-Federal Sponsor's cash contribution required under Article II.D. of this Agreement is projected to be \$1,620,000. Such amounts are estimates subject to adjustment by the Government and are not to be construed as the total financial responsibilities of the Government and the Non-Federal Sponsor.

B. The Non-Federal Sponsor shall provide the cash contribution required under Articles II.D.1. and II.D.3. of this Agreement in accordance with the provisions of this paragraph.

1. Not less than 60 calendar days prior to the scheduled date for issuance of the solicitation for the first construction contract, the Government shall notify the Non-Federal Sponsor in writing of such scheduled date and the funds the Government determines to be required from the Non-Federal Sponsor to meet the non-Federal proportionate share of projected financial obligations for construction through the first fiscal year of construction, including the non-Federal proportionate share of financial obligations for construction incurred prior to the commencement of the period of construction. Not later than such scheduled date, the Non-Federal Sponsor shall provide the Government with the full amount of the required funds by delivering a check payable to "FAO, USAED, Sacramento District" to the District Engineer.

2. For the second and subsequent fiscal years of construction, the Government shall notify the Non-Federal Sponsor in writing, no later than 60 calendar days prior to the beginning of that fiscal year, of the funds the Government determines to be required from the Non-Federal Sponsor to meet the non-Federal proportionate share of projected financial obligations for construction for that fiscal year. No later than 30 calendar days prior to the beginning of the fiscal year, the Non-Federal Sponsor shall make the full amount of the required funds for that fiscal year available to



the Government through the funding mechanism specified in Article VI.B.1. of this Agreement.

3. The Government shall draw from the funds provided by the Non-Federal Sponsor such sums as the Government deems necessary to cover: (a) the non-Federal proportionate share of financial obligations for construction incurred prior to the commencement of the period of construction; and (b) the non-Federal proportionate share of financial obligations for construction as they are incurred during the period of construction.

4. If at any time during the period of construction the Government determines that additional funds will be needed from the Non-Federal Sponsor to cover the non-Federal proportionate share of projected financial obligations for construction for the current fiscal year, the Government shall notify the Non-Federal Sponsor in writing of the additional funds required, and the Non-Federal Sponsor, no later than 60 calendar days from receipt of such notice, shall make the additional required funds available through the payment mechanism specified in Article VI.B.1. of this Agreement.

C. In advance of the Government incurring any financial obligation associated with additional work under Article II.B. or II.E. of this Agreement, the Non-Federal Sponsor shall provide the Government with the full amount of the funds required to pay for such additional work by delivering a check payable to "FAO, USAED, Sacramento District" to the District Engineer. The Government shall draw from the funds provided by the Non-Federal Sponsor such sums as the Government deems necessary to cover the Government's financial obligations for such additional work as they are incurred. In the event the Government determines that the Non-Federal Sponsor must provide additional funds to meet its cash contribution, the Government shall notify the Non-Federal Sponsor in writing of the additional funds required. Within 30 calendar days thereafter, the Non-Federal Sponsor shall provide the Government with a check for the full amount of the additional required funds.

D. Upon completion of the Project or termination of this Agreement, and upon resolution of all relevant claims and appeals, the Government shall conduct a final accounting and furnish the Non-Federal Sponsor with the results of the final accounting. The final accounting shall determine total project costs, each party's contribution provided thereto, and each party's required share thereof. The final accounting also shall determine costs due to betterments and the Non-Federal Sponsor's cash contribution provided pursuant to Article II.B. of this Agreement.

1. In the event the final accounting shows that the total contribution provided by the Non-Federal Sponsor is less than its required share of total project costs plus costs due to any betterments provided in accordance with Article II.B. of this Agreement, the Non-Federal Sponsor shall, no later than 90 calendar days after receipt

of written notice, make a cash payment to the Government of whatever sum is required to meet the Non-Federal Sponsor's required share of total project costs plus costs due to any betterments provided in accordance with Article II.B. of this Agreement.

2. In the event the final accounting shows that the total contribution provided by the Non-Federal Sponsor exceeds its required share of total project costs plus costs due to any betterments provided in accordance with Article II.B. of this Agreement, the Government shall, subject to the availability of funds, refund the excess to the Non-Federal Sponsor no later than 90 calendar days after the final accounting is complete; however, the Non-Federal Sponsor shall not be entitled to any refund of the 5 percent cash contribution required pursuant to Article II.D.1. of this Agreement. In the event existing funds are not available to refund the excess to the Non-Federal Sponsor, the Government shall seek such appropriations as are necessary to make the refund.

## ARTICLE VII - DISPUTE RESOLUTION

As a condition precedent to a party bringing any suit for breach of this Agreement, that party must first notify the other party in writing of the nature of the purported breach and seek in good faith to resolve the dispute through negotiation. If the parties cannot resolve the dispute through negotiation, they may agree to a mutually acceptable method of non-binding alternative dispute resolution with a qualified third party acceptable to both parties. The parties shall each pay 50 percent of any costs for the services provided by such a third party as such costs are incurred. The existence of a dispute shall not excuse the parties from performance pursuant to this Agreement.

## ARTICLE VIII - OPERATION, MAINTENANCE, REPAIR, REPLACEMENT, AND REHABILITATION (OMRR&R)

A. Upon notification in accordance with Article II.C. of this Agreement and for so long as the Project remains authorized, the Non-Federal Sponsor shall operate, maintain, repair, replace, and rehabilitate the entire Project or the functional portion of the Project, at no cost to the Government, in a manner compatible with the Project's authorized purposes and in accordance with applicable Federal and State laws as provided in Article XI of this Agreement and specific directions prescribed by the Government in the OMRR&R Manual and any subsequent amendments thereto.

B. The Non-Federal Sponsor hereby gives the Government a right to enter, at reasonable times and in a reasonable manner, upon property that the Non-Federal Sponsor owns or controls for access to the Project for the purpose of inspection and, if necessary, for the purpose of completing, operating, maintaining, repairing, replacing, or rehabilitating the Project. If an inspection shows that the Non-Federal Sponsor for any reason is failing to perform its obligations under this Agreement, the Government shall send a written notice describing the non-performance to the Non-Federal



Sponsor. If, after 30 calendar days from receipt of notice, the Non-Federal Sponsor continues to fail to perform, then the Government shall have the right to enter, at reasonable times and in a reasonable manner, upon property that the Non-Federal Sponsor owns or controls for access to the Project for the purpose of completing, operating, maintaining, repairing, replacing, or rehabilitating the Project. No completion, operation, maintenance, repair, replacement, or rehabilitation by the Government shall operate to relieve the Non-Federal Sponsor of responsibility to meet the Non-Federal Sponsor's obligations as set forth in this Agreement, or to preclude the Government from pursuing any other remedy at law or equity to ensure faithful performance pursuant to this Agreement.

#### ARTICLE IX - INDEMNIFICATION

The Non-Federal Sponsor shall hold and save the Government free from all damages arising from the construction, operation, maintenance, repair, replacement, and rehabilitation of the Project and any Project-related betterments, except for damages due to the fault or negligence of the Government or its contractors.

#### ARTICLE X - MAINTENANCE OF RECORDS AND AUDIT

A. Not later than 60 calendar days after the effective date of this Agreement, the Government and the Non-Federal Sponsor shall develop procedures for keeping books, records, documents, and other evidence pertaining to costs and expenses incurred pursuant to this Agreement. These procedures shall incorporate, and apply as appropriate, the standards for financial management systems set forth in the Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments at 32 C.F.R. Section 33.20. The Government and the Non-Federal Sponsor shall maintain such books, records, documents, and other evidence in accordance with these procedures and for a minimum of three years after the period of construction and resolution of all relevant claims arising therefrom. To the extent permitted under applicable Federal laws and regulations, the Government and the Non-Federal Sponsor shall each allow the other to inspect such books, documents, records, and other evidence.

B. Pursuant to 32 C.F.R. Section 33.26, the Non-Federal Sponsor is responsible for complying with the Single Audit Act of 1984, 31 U.S.C. Sections 7501-7507, as implemented by Office of Management and Budget (OMB) Circular No. A-128 and Department of Defense Directive 7600.10. Upon request of the Non-Federal Sponsor and to the extent permitted under applicable Federal laws and regulations, the Government shall provide to the Non-Federal Sponsor and independent auditors any information necessary to enable an audit of the Non-Federal Sponsor's activities under this Agreement. The costs of any non-Federal audits performed in accordance with this paragraph shall be allocated in accordance with the provisions of OMB Circulars A-87

and A-128, and such costs as are allocated to the Project shall be included in total project costs and cost shared in accordance with the provisions of this Agreement.

C. In accordance with 31 U.S.C. Section 7503, the Government may conduct audits in addition to any audit that the Non-Federal Sponsor is required to conduct under the Single Audit Act. Any such Government audits shall be conducted in accordance with Government Auditing Standards and the cost principles in OMB Circular No. A-87 and other applicable cost principles and regulations. The costs of Government audits performed in accordance with this paragraph shall be included in total project costs and cost shared in accordance with the provisions of this Agreement.

#### ARTICLE XI - FEDERAL AND STATE LAWS

In the exercise of their respective rights and obligations under this Agreement, the Non-Federal Sponsor and the Government agree to comply with all applicable Federal and State laws and regulations, including, but not limited to, Section 601 of the Civil Rights Act of 1964, Public Law 88-352 (42 U.S.C. 2000d), and Department of Defense Directive 5500.11 issued pursuant thereto, as well as Army Regulations 600-7, entitled "Nondiscrimination on the Basis of Handicap in Programs and Activities Assisted or Conducted by the Department of the Army".

#### ARTICLE XII - RELATIONSHIP OF PARTIES

A. In the exercise of their respective rights and obligations under this Agreement, the Government and the Non-Federal Sponsor each act in an independent capacity, and neither is to be considered the officer, agent, or employee of the other.

B. In the exercise of its rights and obligations under this Agreement, neither party shall provide, without the consent of the other party, any contractor with a release that waives or purports to waive any rights such other party may have to seek relief or redress against such contractor either pursuant to any cause of action that such other party may have or for violation of any law.

#### ARTICLE XIII - OFFICIALS NOT TO BENEFIT

No member of or delegate to the Congress, nor any resident commissioner, shall be admitted to any share or part of this Agreement, or to any benefit that may arise therefrom.

#### ARTICLE XIV - TERMINATION OR SUSPENSION

A. If at any time the Non-Federal Sponsor fails to fulfill its obligations under Article II.B., II.D., II.E., VI, or XVIII.C. of this Agreement, the Assistant Secretary of the Army (Civil Works) shall terminate this Agreement or suspend future performance



under this Agreement unless he determines that continuation of work on the Project is in the interest of the United States or is necessary in order to satisfy agreements with any other non-Federal interests in connection with the Project.

B. If the Government fails to receive annual appropriations in amounts sufficient to meet Project expenditures for the then-current or upcoming fiscal year, the Government shall so notify the Non-Federal Sponsor in writing, and 60 calendar days thereafter either party may elect without penalty to terminate this Agreement or to suspend future performance under this Agreement. In the event that either party elects to suspend future performance under this Agreement pursuant to this paragraph, such suspension shall remain in effect until such time as the Government receives sufficient appropriations or until either the Government or the Non-Federal Sponsor elects to terminate this Agreement.

C. In the event that either party elects to terminate this Agreement pursuant to this Article or Article XV of this Agreement, both parties shall conclude their activities relating to the Project and proceed to a final accounting in accordance with Article VI.D. of this Agreement.

D. Any termination of this Agreement or suspension of future performance under this Agreement in accordance with this Article or Article XV of this Agreement shall not relieve the parties of liability for any obligation previously incurred. Any delinquent payment shall be charged interest at a rate, to be determined by the Secretary of the Treasury, equal to 150 per centum of the average bond equivalent rate of the 13-week Treasury bills auctioned immediately prior to the date on which such payment became delinquent, or auctioned immediately prior to the beginning of each additional 3-month period if the period of delinquency exceeds 3 months.

#### ARTICLE XV - HAZARDOUS SUBSTANCES

A. After execution of this Agreement and upon direction by the District Engineer, the Non-Federal Sponsor shall perform, or cause to be performed, any investigations for hazardous substances that the Government or the Non-Federal Sponsor determines to be necessary to identify the existence and extent of any hazardous substances regulated under the Comprehensive Environmental Response, Compensation, and Liability Act (hereinafter "CERCLA"), 42 U.S.C. Sections 9601-9675, that may exist in, on, or under lands, easements, and rights-of-way that the Government determines, pursuant to Article III of this Agreement, to be required for the construction, operation, and maintenance of the Project. However, for lands that the Government determines to be subject to the navigation servitude, only the Government shall perform such investigations unless the District Engineer provides the Non-Federal Sponsor with prior specific written direction, in which case the Non-Federal Sponsor shall perform such investigations in accordance with such written direction. All actual costs incurred by the Non-Federal Sponsor for such investigations for hazardous substances shall be

included in total project costs and cost shared in accordance with the provisions of this Agreement, subject to an audit in accordance with Article X.C. of this Agreement to determine reasonableness, allocability, and allowability of costs.

B. In the event it is discovered through any investigation for hazardous substances or other means that hazardous substances regulated under CERCLA exist in, on, or under any lands, easements, or rights-of-way that the Government determines, pursuant to Article III of this Agreement, to be required for the construction, operation, and maintenance of the Project, the Non-Federal Sponsor and the Government shall provide prompt written notice to each other, and the Non-Federal Sponsor shall not proceed with the acquisition of the real property interests until both parties agree that the Non-Federal Sponsor should proceed.

C. The Government and the Non-Federal Sponsor shall determine whether to initiate construction of the Project, or, if already in construction, whether to continue with work on the Project, suspend future performance under this Agreement, or terminate this Agreement for the convenience of the Government, in any case where hazardous substances regulated under CERCLA are found to exist in, on, or under any lands, easements, or rights-of-way that the Government determines, pursuant to Article III of this Agreement, to be required for the construction, operation, and maintenance of the Project. Should the Government and the Non-Federal Sponsor determine to initiate or continue with construction after considering any liability that may arise under CERCLA, the Non-Federal Sponsor shall be responsible, as between the Government and the Non-Federal Sponsor, for the costs of clean-up and response, to include the costs of any studies and investigations necessary to determine an appropriate response to the contamination. Such costs shall not be considered a part of total project costs. In the event the Non-Federal Sponsor fails to provide any funds necessary to pay for clean up and response costs or to otherwise discharge the Non-Federal Sponsor's responsibilities under this paragraph upon direction by the Government, the Government may, in its sole discretion, either terminate this Agreement for the convenience of the Government, suspend future performance under this Agreement, or continue work on the Project.

D. The Non-Federal Sponsor and the Government shall consult with each other in accordance with Article V of this Agreement in an effort to ensure that responsible parties bear any necessary clean up and response costs as defined in CERCLA. Any decision made pursuant to paragraph C. of this Article shall not relieve any third party from any liability that may arise under CERCLA.

E. As between the Government and the Non-Federal Sponsor, the Non-Federal Sponsor shall be considered the operator of the Project for purposes of CERCLA liability. To the maximum extent practicable, the Non-Federal Sponsor shall operate, maintain, repair, replace, and rehabilitate the Project in a manner that will not cause liability to arise under CERCLA.



## ARTICLE XVI - NOTICES

A. Any notice, request, demand, or other communication required or permitted to be given under this Agreement shall be deemed to have been duly given if in writing and either delivered personally or by telegram or mailed by first-class, registered, or certified mail, as follows:

If to the Non-Federal Sponsor:

The Reclamation Board  
1416 Ninth Street, Room 1148  
Sacramento, California 95814-5594

If to the Government:

US Army Corps of Engineers  
Sacramento District  
1325 J Street  
Sacramento, California 95814-2922

B. A party may change the address to which such communications are to be directed by giving written notice to the other party in the manner provided in this Article.

C. Any notice, request, demand, or other communication made pursuant to this Article shall be deemed to have been received by the addressee at the earlier of such time as it is actually received or seven calendar days after it is mailed.

## ARTICLE XVII - CONFIDENTIALITY

To the extent permitted by the laws governing each party, the parties agree to maintain the confidentiality of exchanged information when requested to do so by the providing party.

## ARTICLE XVIII - HISTORIC PRESERVATION

A. The costs of identification, survey and evaluation of historic properties shall be included in total project costs and cost shared in accordance with the provisions of this Agreement.

B. As specified in Section 7(a) of Public Law 93-291 (16 U.S.C. Section 469c(a)), the costs of mitigation and data recovery activities associated with historic preservation shall be borne entirely by the Government and shall not be included in total project costs, up to the statutory limit of one percent of the total amount authorized to be appropriated for the Project.

C. The Government shall not incur costs for mitigation and data recovery that exceed the statutory one percent limit specified in paragraph B. of this Article unless and until the Assistant Secretary of the Army (Civil Works) has waived that limit in accordance with Section 208(3) of Public Law 96-515 (16 U.S.C. Section 469c-2(3)). Any costs of mitigation and data recovery that exceed the one percent limit shall not be included in total project costs but shall be cost shared between the Non-Federal Sponsor and the Government consistent with the minimum non-Federal cost sharing requirements for the underlying flood control purpose, as follows: 25 percent borne by the Non-Federal Sponsor, and 75 percent borne by the Government.

#### ARTICLE XX - OBLIGATIONS OF FUTURE APPROPRIATIONS

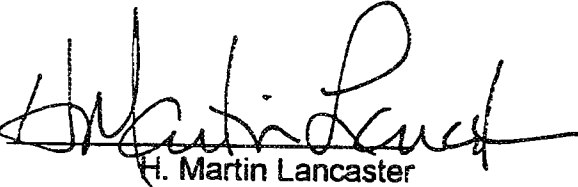
Nothing herein shall constitute, nor be deemed to constitute, an obligation of future appropriations by the legislature of the State of California.




IN WITNESS WHEREOF, the parties hereto have executed this Agreement, which shall become effective upon the date it is signed by the Assistant Secretary of the Army (Civil Works).

THE DEPARTMENT OF THE ARMY

THE RECLAMATION BOARD OF THE  
STATE OF CALIFORNIA

BY:   
H. Martin Lancaster  
Assistant Secretary of the Army  
(Civil Works)

BY:   
Michael W. Stearns  
President

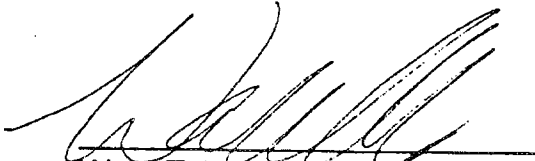
DATE: 12 SEP 1996

DATE: SEP 12 1996

## CERTIFICATE OF AUTHORITY

I, Ward Tabor, do hereby certify that I am the principal legal officer of The Reclamation Board of the State of California (The Reclamation Board), that The Reclamation Board is a legally constituted public body with full authority and legal capability to perform the terms of the Agreement between the Department of the Army and The Reclamation Board in connection with the Mid-Valley Area Levee Reconstruction project, and to pay damages in accordance with the terms of this Agreement, if necessary, in the event of the failure to perform, as required by Section 221 of Public Law 91-611 (42 U.S.C. Section 1962d-5b), and that the persons who have executed this Agreement on behalf of The Reclamation Board have acted within their statutory authority.

IN WITNESS WHEREOF, I have made and executed this certification this  
17 day of September 1976.

  
Ward Tabor, Counsel  
The Reclamation Board



## CERTIFICATION REGARDING LOBBYING

The undersigned certifies, to the best of his or her knowledge and belief that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.



Michael W. Stearns, President

The Reclamation Board of the State of California

DATE: SEP 12 1996